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Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 142 No. 23 — Schnell Publishing Company, Inc., Publishers — December 7, 1942

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Before making a decision that depends on the supply of one of our products, check with us. Our technical service staff can give you up-to-the-minute information on delivery dates and quantities available. They can supply you with technical data on the chemicals we make, and can help you in the selection of replacements for unavailable materials.

At the time this magazine went to press these chemicals listed here . . . and a number of others . . . could be supplied in l.c.l. quantities. If you are interested in obtaining quantities of any of them, write or wire immediately since the supply situation may change at any time.

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Volume 142 | December 7, 1942 | No. 23

Harry J. Schnell Editor of the Reporter Died November 29

Harry J. Schnell, editor and publisher of OIL, PAINT AND DRUG REPORTER and of *National Painters Magazine* and president, treasurer, and founder of the Schnell Publishing Company, died Sunday, November 29. His end came unexpectedly in the Orange Memorial Hospital, Orange, N. J., where he had gone four days earlier to be under the observation of his physician because of an apparently not alarming coronary occlusion November 16. Mr. Schnell was in his sixty-eighth year.

Harry Schnell was a native of New York. His father, Charles Schnell, came to this country from France to enlist in the Union Army, in which he served through the Civil War. His mother, Henrietta Schnell, was a member of the Steinau family, of New York. His boyhood was spent in his

Harry J. Schnell

native city, and it was there that he went to school in the usual manner until, at the age of fifteen years, he became an assistant in the mailing department of William O. Allison, this city, publisher of OIL, PAINT AND DRUG REPORTER, *The Druggists Circular*, and *The Painters Magazine*. Thereafter he continued his schooling in evening courses, specializing in English, business practices, and business law.

Moving shortly to the editorial department of the Allison organization, Harry Schnell had a turn at its various functions, including market reporting on the REPORTER's staff. His business aptitude led Mr. Allison to take him into the business department in an assistant managerial capacity. Later he became assistant to the general manager of the three Allison publications and then their business manager and, in 1900, general manager of all the Allison publishing interests. He also became vice-president of the publishing company in that year.

Throughout his business management activities Mr. Schnell retained an active interest in the editorial departments of the publications and for many years before the death of Mr. Allison in 1924, he had full direction of their editorial policies and practices, as well as of their business affairs. Following the death of Mr. Allison, Mr. Schnell, in the capacity of an executor of the estate, continued to operate the publications, becoming president and treasurer of the functioning publishing corporation. When the juridical course of the settlement of the Allison estate reached the

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Chemical Salvage Meeting December 9

The industrial salvage section of the War Production Board has called a meeting of leading firms in the chemical, dyestuffs, miscellaneous chemicals, cleaning, washing and bleaching compounds industries for the purpose of discussing a plan for the conservation of scrap metal. It will be a luncheon meeting in the Hotel Roosevelt, December 9, starting at 12:30 p. m.

R. Merrill Decker, regional chief of the industrial salvage section, will present a plan dealing with the collection and disposition of all critical waste materials, the scrapping of worn out, unused or obsolete machinery and equipment. Lothair Kohnstamm, of H. Kohnstamm, 89 Park Place, is chairman of the meeting.

Totaquine Price Ceiling Set

OPD Washington Bureau

A price ceiling of 40 cents an ounce for sales in bulk quantities was established for totaquine and totaquine products by the Office of Price Administration December 4, to become effective December 10.

Specific maximum prices were set for the powder and for tablets and capsules at all levels, including retail. Customary differentials as to the quantity of the sale and size of container and the mark-ups for various levels which have prevailed in connection with the production and sale of quinine sulphate have been employed to set these prices, it was explained.

The prices are contained in maximum price regulation No. 278—"Totaquine and Totaquine Products." Totaquine is a combination of the total crystallizable alkaloids of cinchona bark, which is the source of quinine. It was only recently introduced into the United States Pharmacopeia be-

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72d—OPD—Year

Alcohol Use In Cosmetics Cut

OPD Washington Bureau

Use of alcohol in toiletries and cosmetics, shoe polishes, candy glazes, and deordorant sprays (non-body) will be limited to 50 percent of the amount used in a base period by General Preference Order M-30 as amended by the Director General for Operations.

Under the original order, use of alcohol was restricted to 70 percent of the base period for certain cosmetics and toiletries, while in others the permitted use was 100 percent of the base period amount. The amended order limits quarterly consumption of alcohol to 50 percent of consumption in the comparable quarter in the fiscal year ended June 30, 1941. For the month of December, 1942, use of alcohol is limited to 50 percent of the amount used in December, 1940, and total fourth quarter consumption may not exceed 70 percent of consumption in the corresponding quarter in the base period.

For the purposes of this resolution all toiletries and cosmetics are considered to be interchangeable so that quantities of alcohol permitted for one product may be used in another similar product. Thus, a person making perfume and toilet water can use his entire alcohol quota for perfume if he so chooses.

Drug Manufacturers Complain About OPA Questionnaire Mess

OPD Washington Bureau

A congressional investigation of the burdens being imposed upon industry by the government in filling out countless questionnaires and reports and the use to which these data are put after being forwarded to Washington was voted December 1 by the Joint Committee on Reduction of Nonessential Federal Expenditures.

Action came after the committee, composed of members of the senate, house and the executive departments, heard representatives of the drug manufacturers voice bitter complaints, particularly as respects the activities of the Office of Price Administration, against the industry being forced to supply information which appears to have no relation to price control and oftentimes duplicates information already supplied some other agency of government.

Senator Harry Flood Byrd of Virginia, chairman of the committee, said that it would be the purpose of the investigation to develop facts upon which legislation will be based sharply curtailing such activities. He said that Price Administrator Leon Henderson and Director Joseph Eastman of the Office of Defense Transportation would be called before the committee for an explanation of reason for the many demands made upon industry. He gave no indication whether other officials would be called but said that the committee would demand all government agencies to supply it with copies of all questionnaires for its study.

Senator Arthur Vandenberg of Michigan, co-sponsor of the inquiry, described the burden of paper work and red tape that has descended upon industry as a "deadly menace to morale." Since introduction of his resolution, he said, he had been flooded with letters and telegrams urging that something be done to correct the situation. Referring specifically to the financial reports being required by the OPA, Mr. Vandenberg expressed the hope the committee "will find out who is responsible for this needless red tape and what happens when the information reaches Washington. If there is the remotest use for such information in the war program," he added, "it must take an enormous staff of experts and researchers to analyze it—and I doubt if there is a staff of people in Wash-

—Continued on page 62

72d—OPD—Year

Balto. Drug Exchange Elects Jones President

Lester W. Jones, of McCormick & Co., was elected president of the Baltimore Drug Exchange at the annual

Lester W. Jones

meeting last week. Other officers elected were:—

First Vice-president, Leo L. Muth, of Muth Bros. & Co.; Second Vice-president, John Crozier, general manager of the Calvert Drug Company; Treasurer, Leroy Oldham, and secretary, William L. Lowry, of the Loewy Drug Company.

New members of the executive board: —Stanley Heuisler, of the Emerson Drug Company; Edward S. Muth, of Muth Bros. & Co., and George M. Armor, of McCormick & Co.

72d—OPD—Year

Opium Poppies Bill Sent to President

OPD Washington Bureau

Senate amendments to the Doughton bill (H. R. 7568) authorized the Secretary of the Treasury to license the growing of the opium poppy in the United States to make certain that the drug products obtained from the poppy are channeled into the war effort were agreed to by the house December 3 and the legislation was forwarded to the White House for the President's signature.

Reported by the senate finance committee last Monday, the bill was amended in three respects:—(1) To make certain that it did not vest any

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Guatemala Cinchona Sales Under Control

OPD Washington Bureau

Guatemala's resources of cinchona bark, source of quinine and other important alkaloids, have been placed under strict governmental control, and purchase and export of the products may only be made by authorized persons with the approval of the President and the Economic Control Board at fixed prices, according to the Department of Commerce.

Value of the bark in alkaloid content and the quantity there available for export is, however, a very much debatable question, it is said in informed quarters. Very little of the bark has thus far reached the United

—Continued on page 67

72d—OPD—Year

Ambruster Ergot Case Judgment Affirmed

The Appellate Division of the Supreme Court of the State of New York, November 28, unanimously affirmed the judgment of the lower court dismissing the complaint in the so-called "ergot case," the action of Howard W. Ambruster against the Anglo-South American Trust Company, Parke, Davis & Co., E. R. Squibb & Sons, S. B. Penick & Co., F. W. Berk & Co., Abbott Laboratories, John J. Shore Company, and Oil, Paint & Drug Reporter, Inc.

The Ambruster suit, alleging conspiracy to prevent him from selling ergot in 1927, was filed in December, 1931, but did not come to trial until January, 1941. After three weeks of complainant's presentation, Justice Ferdinand Pecora, January 23, granted the defendants' motion that the complaint be dismissed for failure of proof.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Dec. 4, 1942	Nov. 27, 1942	Dec. 5, 1941
138.3	**138.5**	**137.6**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price changes had a net declining trend last week in the markets for chemicals and related materials. No heavy materials were affected outside the petroleum division. Most of the changes were in the long-customary groups of botanical drugs and spices and aromatic oils. Vitamin C was cheaper.

Closing Markets

London Closing Cable

LONDON, Dec. 4, 1942

An agency is being formed through which shellac will be released for distribution to actual consumers as stocks of that commodity are released by the government.

72d—OPD—Year

Price Increases May Be Made in Contracts

OPD Washington Bureau

Sellers who made general price increases prior to April 1, this year, are authorized by the Office of Price Administration December 4, to apply such increases to ceiling prices for goods and services delivered last March under long-term contracts.

This provision was written into the General Maximum Price Regulation and Maximum Price Regulation No. 188 covering manufacturers' maximum prices for specified building materials and consumers' goods other than apparel.

The effect is to allow a seller who last March delivered at prices established by a contract signed many months before and who raised his prices generally before April 1 to bring his prices on the expiration of the contract in line with the increased prices he was charging in March. In no event may an increase now be made which was first announced or put into effect after April 1.

72d—OPD—Year

Graphite Control Extended by WPB

OPD Washington Bureau

Conservation order M-61 was amended by WPB December 4 to provide complete control over distribution and use of all graphite which will stand on a number 50-mesh screen. Madagascar flake graphite alone was covered by the original order.

Beginning immediately, no person may put into process for any purpose whatever any strategic graphite except with specific authorization by WPB, nor can any person deliver or accept delivery of any article containing stategic graphite, other than a crucible, without specific authorization, unless the graphite was put into process prior to February 17, 1942.

72d—OPD—Year

Bids Wanted

Alum:—2,400 pounds; Department of Purchase, City of New York; Requisition R-11003, opening December 8.

Drugs:—Department of Purchase, City of New York; Requisition R-11168, opening December 8.

Drugs:—Department of Purchase, City of New York; Requisition R-39, opening December 7.

Drugs:—Department of Purchase, City of New York; Requisition R-11215, opening December 7.

Drugs:—15 items; General Purchasing Officer, The Panama Canal, Washington, D. C.; Invitation R-32398-A. W., opening December 11.

Drugs:—Bureau of Prisons, Department of Justice, Washington, D. C.; invitation 3321, opening December 15.

Liquid Chlorine:—142,500 pounds; Department of Purchase, City of New York; Requisition 1113045, opening December 8.

Sodium Aurate:—10,000 tablets; Department of Purchase, City of New York; Requisition R-11169, opening December 10.

Spices:—Quartermaster Depot, 84 Exchange Place, Jersey City, N. J.; Invitation 1913-43, neg. 110; opening December 7.

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OPD Forum

Outlet for Individual Opinion

(Anonymous communications will not be recognized; publication of a signer's name will be withheld at request.)

Aluminum from Clay

The Editor,
OIL, PAINT AND DRUG REPORTER.
Sir:—

It is apparent in the article entitled "Blocking Aluminum" on page 38 of your November 30, 1942, issue, that your reporter completely misinterpeted the testimony before the subcommittees of the senate and house military affairs committees with reference to the Hixson-Miller process for the production of alumina from clay, when he stated that "The National Academy of Sciences is accused of blocking efforts to erect a pilot plant for development of a process to make aluminum, via alumina, out of domestic clay."

No such accusation was made or intended against the National Academy of Sciences, its subcommittee, or any member of that subcommittee. The record will specifically show that their integrity and honesty were not questioned in any way. The testimony gave a brief history of the experiences encountered in submitting the process to WBP, which is forced to rely on the National Academy of Sciences for technical advice. It showed that the subcommittee on alumina of the National Academy of Sciences is composed, at least in part, of employees of companies in the aluminum industry, and that these men are placed in the unwarranted and unfortunate position of being called upon to evaluate processes which, if properly developed, might react to the economic disadvantage of the companies which employ them. As Senator Kilgore aptly commented, in the case of these gentlemen, there is a "complication of capacities."

The sole purpose of the testimony was to show the need of independent technical evaluation and development of new processes as contemplated in the bill to establish an Office of Technological Mobilization, which was being considered by the senate and house subcommittees of the hearing in question.

I believe the above statement gives you a more correct view of what members of Congress were told.

Very truly yours,
New York, December 2, 1942. RALPH MILLER, The Chemical Foundation.

72d—OPD—Year

N.A.M. Adopts War Program

A win-the-war program, calling for all-out production of food, munitions and supplies, with labor cooperating unstintingly with management, was adopted by the National Association of Manufacturers, at a session of the War Congress of American Industry, held under the auspices of that association, in the Waldorf-Astoria hotel, this city, December 4-5.

While acknowledging that production alone cannot win the war, the preamble to this resolution points out that the war cannot be won without record-breaking production for which the nation's resources are efficiently mobilized and in which Government, management and labor each has definite opportunities and responsibilities.

For thus assuring adequate amplification of the production of food, munitions and supplies, the resolution

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72d—OPD—Year

War Board Winner

OPD Washington Bureau

In scheduling dispute Charles E. Wilson, WPB production vice-chairman, was given general supervision of the scheduling of the programs dealing with war production for 1943 as result of a full agreement announced December 5 by Secretaries of War and Navy and WPB chairman Nelson.

Ickes Now Petroleum Administrator for War

OPD Washington Bureau

The Office of Petroleum Coordinator for War was abolished by executive order of President Roosevelt December 2 and a new office established to be known as the Petroleum Administration for War, with Secretary of the Interior Harold L. Ickes at its head. Mr. Ickes was given authority to coordinate all government policies and actions relating to oil, in consultation with other Federal agencies concerned.

The order had been long expected, having been on Mr. Roosevelt's desk upwards of two weeks, and while it is not as all-embracing as it was first thought, it is believed it will be helpful to the industry by reason of the fact that it tends to centralize war

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72d—OPD—Year

E.D. Cumming Joins Petroleum War Office

OPD Washington Bureau

E. D. Cumming will become director of refining for the Petroleum Administration for War December 7,

E.D. Cumming

it was announced December 2. He joins the Petroleum Administration on leave of absence as vice-president in

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72d—OPD—Year

OPA Asks Operating Reports on Crude Oil

OPD Washington Bureau

Seeking information by which to measure the impact of governmental requirements and war emergencies upon the crude oil refining industry, the Office of Price Administration has announced it has ordered quarterly operational reports from all refiners of crude petroleum.

The order, issued under the emergency price control act, requires specific data on the nature, capacity, yield and profitableness of plant operations. OPA report form SSO-55 has been sent by registered mail to all refineries affected. Reports are to cover quar-

—Continued on page 76

72d—OPD—Year

Liquefied Petroleum Gas Stockpiling Urged

OPD Washington Bureau

To guard against Winter shortages of butane and propane gas when consumption of these fuels is at its peak, chiefs of the liquefied petroleum gas and equipment units of the Armed Services and the War Production Board are taking joint action to build up reserves of these fuels on the premises of consumers.

The public is asked to cooperate with the Armed Services by filling all available storage facilities now, P. K. Thompson, chief of WPB's liquefied petroleum gas equipment unit, announced, so that total re-

—Continued on page 80

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The Bureau of Foreign and Domestic Commerce is going through the pains of another reorganization—but this time there are no complaints. The reorganization is one of going back to the setup that existed earlier this year, emphasis being laid on the commodity character of its activities.

Six months of streamlined functioning—placing a number of different and unrelated commodities under one division with a fancy names—failed of its aim to make the agency more efficient in the war effort. This was because people were expected to handle problems totally unfamiliar to them or in which they had no interest. Consequently instead of going forward the agency was moving backward.

In the new—or old—setup familiar faces again will be found at familiar places:—C. C. Concannon again heads the chemicals unit; T. W. Delahanty, the drugs and pharmaceuticals unit; Charles E. Lund, the fats and oils unit; Fletcher H. Rawls, the foodstuffs unit; J. G. Schnitzer, the leather unit; and Everett G. Holt the rubber unit —to name only a few.

Junk the Jalopies

For months now the WPB conservation branch has been urging the people to turn in their scrap steel, iron, rubber, tin cans, and other materials and to save their grease for manufacture into munitions. In spite of the shortcomings of the salvage campaigns —and they are many—the people have responded fairly well, except in one notable instance.

The jalopy owners are showing too much reluctance to part with their "prized" possessions. A large number of these crates have been driven or towed to the scrapheap, but there are still too many running around the country which could be put to better service by being turned into guns, ships, and tanks.

WPB officials are cognizant of this fact and the word is leaking out that some drastic steps may be taken. According to those in the know WPB is going to jump in suddenly one of these days and requisition about 200 of these jalopies in scattered points throughout the country to wake up the owners to the value of these vehicles for scrap. And, incidently, to show that WPB has the authority to turn on the heat if it wants to.

Botanical Price Ceilings

OPA has taken on a big assignment in proposing to place specific ceilings on some fifty or more botanical drugs. If past experiences are any criterion, it's a pretty safe bet that the flowers will be blooming in the Spring before the first of the orders makes its appearance.

If there is one thing the OPA organization has never found itself able to do it is to act quickly and promptly on questions before it. It has been notoriously slow in issuing orders even after price decisions have been made. The reason for this is that OPA becomes so bogged down in details that it finds itself at times unable to move.

Also OPA appears to be losing sight of its original concept, which was to prevent price inflation. As much if not more attention is being paid now to the individual profits of a corporation as to the inflated nature of its prices.

Picking on OPA

OPA is rapidly earning the title of "Peck's Bad Boy of the war program." And whether by design or not Price Policeman Henderson is being made the scapegoat. Some of the Washington observers are likening the situation to that of NRA, when everyone from Congress down—or up—had some criticism to make of its work.

The trouble lies in the yards of red tape which accompanies every move the agency makes. More basically is the growing feeling that the organization is top heavy with theorists who have gradually turned its objective away from that of controlling prices to that of controlling profits.

No less than three investigations into its activities are underway or planned in Congress—(1) burdening of industry with numerous detailed questionnaires and reports and not informing industry of the use to be made of the data; (2) policy in placing ceilings on farm prices; and (3) rationing programs. From here on out there are nothing but troubles and headaches for Mr. Henderson.

Voluntary Manpower

While certain high quarters in the government are insisting that only compulsory action will solve the manpower problem, there is much evidence that the voluntary approach to the problem is spreading and is having beneficial results.

A number of localities are operating with marked success job-stabilization plans set up by joint labor-management committees. A most recent development is establishment of a plan covering five Western States—California, Oregon, Washington, Arizona, and New Mexico. Employer and employee representatives are attempting to lay out for the West a pattern of uniform labor stabilization.

The War Manpower Commission is pushing the program and in its early stages contemplates committees in about 120 industrial areas in twelve regions.

Drafting Manpower

Civilian goods production not essential to the war effort has necessarily taken a severe beating at the hands of WPB. First, the frills and doo-dads were eliminated; then the amount of materials available to the industries was cut sharply, and finally some of the industries were told to get into war production entirely—or else.

But this is only the beginning. Warning comes from the War Manpower Commission that such industries as are still in existence are in for another sock. Even though the materials might be available to continue production the labor won't be. In fact, WMC says it intends to make deliberate raids on the luxury industries to obtain the labor needed for war production. The fur industry already has had this notice served on it and others will follow.

More Pay for Shorter Week

In spite of the increased pressure for greater war production and talk of matching the workweek of the Allies there is little evidence to show that anything is being done in this respect. No major increase in hours of work in industry has been taking place recently, judging from government statistics for September. In fact, observance of the Labor Day holiday and material shortages accounted for a slight decrease for that month.

The average workweek in all manufacturing industries in September was 42.4 hours, compared with 42.8 in August and 38 in August, 1939. The durable goods average declined from 45.2 hours in August to 44.6 in September; in nondurable goods from 39.9 to 39.6. The machine-tool industry slumped from 52.8 to 50.9; shipbuilding from 47.7 to 46.8; iron and steel from 42.8 to 42.2.

Average hourly wages, however, have jumped notably, rising 16.9 percent from September, 1941, to September, 1942. Average weekly earnings increased 25 percent in this period.

Leave it to the farm bloc to find new ways to milk the Federal treasury

—Continued on page 48

Chlorine Allocation Made Complete

OPD Washington Bureau

Restrictions on the use of chlorine and products containing available chlorine have been revised to remove from control of Conservation Order M-19 all products containing available chlorine such as liquid sodium hypochlorite, calcium hypochlorite, sodium chlorite and other similar products. Also exempted from the order, as amended, are deliveries and use of 2,000 pounds of chlorine or less per month.

The new form of order M-19 is a straight allocation order replacing the previous conservation and allocation order. Under the new order, control over the whole chlorine family will be exercised by controlling original shipments of chlorine.

The change from end-use restriction to complete allocation control is made necessary because the restrictions on consumption were too rigid when chlorine was in easy supply and not tight enough when chlorine was scarcer. Under allocation control, instantaneous adjustments can be made in distribution and use control as the supply situation changes.

The new order says that no person may deliver, accept delivery, or use chlorine except by specific authoriza-

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72d—OPD—Year

Metal-Salt Medicinals Essentialness Checked

(Reprinted from November 30 issue.)

OPD Washington Bureau

Recommendations on the relative essentiality of medicinal compounds made of metallic salts have been made to WPB by a special subcommittee of the committee on drugs and medical supplies of the National Research Council, F. J. Stock, Chief of the WPB drug and cosmetics branch, announced November 27.

The report requested by WPB is an effort to marshal scientific advice on which of the metallic compounds are most vital to medicine and which should, if restriction becomes necessary, be continued in production. Mr. Stock emphasized that the report is simply a recommendation and does not constitute official action on the part of WPB. He asked that members of the medical profession, druggists, and others interested communicate

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72d—OPD—Year

Casein Ceiling Continued by OPA

OPD Washington Bureau

Price ceilings established on casein and other milk products, as well as a long list of foods, under temporary maximum price regulation No. 22, were continued in effect with certain exceptions by action of the Office of Price Administration December 3. Action was taken in the issuance of a new price schedule—maximum price regulation No. 280—replacing the temporary schedule which, for legal reasons, could not be extended beyond its expiration date December 2.

The effect of the new regulations is to leave undisturbed the ceilings which have been in effect on casein since issuance of the temporary price schedule October 3, fixing the ceilings at the highest level at which they were sold by each individual seller between

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72d—OPD—Year

Tungsten Powder Under Allocation

OPD Washington Bureau

All supplies of tungsten wire, rod, sheet, and powder were placed under complete allocation control November 27 by an amended version of order M-29, it was announced by the Director General for Operations. Formerly, unrestricted deliveries of up to 25 pounds of contained tungsten monthly were permitted by the order. To further conserve the supply of the metal, this permission has been made inapplicable to the tungsten products mentioned above.

Now Licensed FREE for War Production

For the duration, free licenses to use the Commercial Solvents Hot Lacquer Process (U. S. Patent No. 2,150,096) are being granted to producers of war materials. Satisfactory equipment for spraying hot lacquers and dopes is already obtainable from several manufacturers.

The hot lacquer process, perfected by Commercial Solvents, saves volatiles... saves time... saves labor. These economies are doubly important today.

A bulletin containing information helpful in formulating hot lacquers will be sent on request. Copies of the free license agreement will gladly be furnished to interested manufacturers. Write today.

COMMERCIAL SOLVENTS
Corporation
17 EAST 42ND STREET, NEW YORK, N. Y.

1-NITROPROPANE • 2-NITROPROPANE • BUTANOL • BUTYL ACETATE • DIBUTYL PHTHALATE • ETHYL ALCOHOL • ETHYL ACETATE

Chemical Wants Of U.S. Reported

A list of chemicals expected to be bought by the government within the next quarter or half year has been compiled by the National Paint, Varnish and Lacquer Association. The items marked with an asterisk are said to be especially difficult to procure. All of them will be bought by the Treasury Department Procurement Division except as noted for

—Continued on page 54

72d—OPD—Year

Glidden Seed Project Stopped by WPB

OPD Washington Bureau

The Glidden Company, manufacturer of paints and vegetable oil, Cleveland, has been ordered to stop construction of two buildings by the War Production Board.

Suspension Order S-162 states that the Glidden Company, without the authorization required by conservation order L-41, began the construction of two buildings at its plant in Buena Park, Calif., for the storage of seeds and beans and for delinting cottonseed. The estimated cost of construction of each of these buildings was in excess of $5,000.

The Glidden Company's other violation was the acceptance of more than $12.000 worth of delinting machinery. on a puchase order not in conformity with the requirements of general limitation order L-83, which restricts

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72d—OPD—Year

Shive Leaves Calco For Rubber Reserve Post

Dr. Roy A. Shive, of the Calco Chemical Division of American Cyanamid Company, has been called to Washington by the Rubber Reserve

Dr. Roy A. Shive

Company to supervise production and development of chemicals for synthetic rubber.

Recipient of the Modern Pioneer Award of the National Association of Manufacturers in 1940, Dr. Shive has

—Continued on page 47

72d—OPD—Year

Oil Meals L.C.L. Markup Set by OPA

OPD Washington Bureau

Processors making less-than-carload-lot sales of oil meals and oil cakes now will have specified maximum markups over full car lot transactions, the Office of Price Administration has announced. Effective November 30 less than carload lot sales by a processor to a jobber, wholesaler or retailer now will command not more than a $1 per ton premium over full carload dealings; small lot transactions by a processor with a consumer or feeder will be allowed not more than a $3 per ton premium over full lots.

Limitation of the margin or profit

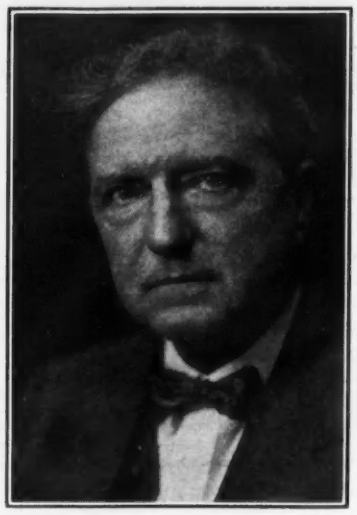
—Continued on page 57

Farm Chemistry Bureau Chief W.W. Skinner

OPD Washington Bureau

Dr. William Woolford Skinner, associate chief since 1939, has been appointed chief of the Bureau of Agricultural Chemistry and Engineering to fill the vacancy left by the death of Dr. Henry G. Knight last July.

Born in Baltimore, Md., in 1874, Dr. Skinner has had thirty-eight years of



W. W. Skinner

intimate association with the work of the bureau, which he has helped direct as associate chief since 1939.

72d—OPD—Year

Oil Industry Allowed To Sell Frozen Stock

OPD Washington Bureau

Sale of heretofore frozen inventory stocks in the oil industry is now permitted by War Production Board Preference Rating Order P-98-c, which was issued December 1 upon the recommendation of the Office of Petroleum Coordinator for War. The new order permits the sale of inventory stocks by one oil operator to another oil operator.

Petroleum Coordinator for War Harold L. Ickes said that a net saving in the petroleum industry's materials requirements can be expected as a result of the new order, because the distribution of idle stocks to produc-

—Continued on page 54

72d—OPD—Year

Rotenone Conference Called for Dec. 10

OPD Washington Bureau

Plans for the importation of Rotenone and the allocation of supplies of roots to processors will be considered at a meeting of importers and processors to be held in Washington, December 10, by the Commodity Credit Corporation. The meeting will be in room 3106, South Agricultural building at 2 p.m.

The call for the meeting follows announcement November 5 of a government program for the purchase and importation of rotenone from Brazil and Peru to be carried out by CCC officials hope to import at least 4,500,000 pounds of the insecticide during the next twelve months to help make up for a reduction in imports from southwestern Pacific sources.

72d—OPD—Year

Mercury Pigments Replacement Studied

The possibility of eliminating mercury pigments in antifouling paint was discussed at a recent meeting of the Marine Paint Industry Advisory Committee in Washington with representatives of the War Production Board, it was announced December 4.

Questions by members of the committee concerning the relative scarcity of other toxic materials used in antifouling paints led to the appointment of a committee, including representatives of the army, the navy, WPB, and the industry, to consider the matter and report back to the committee at its next meeting.

A.D.M.A. Sponsors War Bonds Program

OPD Washington Bureau

The American Drug Manufacturers Association, with the collaboration of Treasury Department officials, is sponsoring a War Bonds Program among its member firms. The broad aspects of the plan were prepared by a special committee composed of Robert Lincoln McNeil, president of McNeil Laboratories, Philadelphia, Pa., and treasurer of the association; S. DeWitt Clough, president of Abbott Laboratories, Chicago, Ill., a former president of the association, and now a member of the executive committee of Sharp & Dohme, Philadelphia, and a vice-president of the association.

Operation of the project is centered in the Washington office of the association under the direction of Carson P. Frailey, executive vice-presmittee; and John S. Zinsser, president

Robert L. McNeil

ident, and his staff. The program encompasses two major approaches:—

Use of a percentage of advertising space of each member firm in medical and trade journals, together with appropriate references in circulars and other literature furnished to physicians, dentists, veterinarians, pharmacists, and hospitals throughout the country.

—Continued on page 67

72d—OPD—Year

BEW Requires Space Report in Transhipments

OPD Washington Bureau

Shippers will be required, on and after December 10, to submit to the Office of Exports, Board of Economic Warfare, applications for freight space (BEW 138) for all shipments, other than those originating in Canada, moving en route through the United States via water to a destination in other American republics under a general in transit license (Git), it was announced December 1 by the BEW.

Such applications must be submitted regardless of the weight of the shipment, whether more or less than 2,240 pounds. Shipping rating for such in transit shipments will be assigned upon certification of the applications to the War Shipping Administration. Steamship operators will be instructed by the WSA to make bookings for such cargo only on the basis of an approved BEW 138, even though the shipment weighs less than 2,240 pounds, it was stated.

In filing applications for freight space for these shipments, the following special requirements must be observed:—

The name and address of the original consignor of the merchandise in the foreign country, and the name and ad-

—Continued on page 57

72d—OPD—Year

Nitrogen-Saving Order On Fertilizers Issued

OPD Washington Bureau

A grade substitution program, expected to reduce consumption of chemical nitrogen in mixed fertilizers by approximately 20 percent, was instituted December 4 by WPB. The order sets up a long list of approved grades which are to be substituted for those used in the 1940-41 growing season. Fertilizer manufacturers are required to produce the approved new grades in the same proportion as the 1940-41 grades.

The amended order, M-231, also places manufacturers on the same basis as dealers and agents in respect of stocks on hand, by permitting manufacturers to deliver fertilizers packed in quantities of less than 80 pounds, instead of 100 pounds as at present.

Manufacturers of fertilizer in pressed tablet form and for use in hydroponics are permitted to use up the stocks of chemical nitrogen they had on hand September 12. Fertilizer for tobacco, which normally contains 25 percent to 30 percent of its nitrogen in water-insoluble form, is changed to permit an increase in this nitrogen to 55 percent to save 7,000 tons of chemical nitrogen. Use of chemical fertilizer containing chemical nitrogen on melon and cucumber crops is prohibited.

72d—OPD—Year

Sulphuric Acid Allocated by WPB

OPD Washington Bureau

Sulphuric acid, including oleum and spent acid, was placed under allocation control by WPB, December 5, with issuance of conservation order M-257. The purpose of the action, it was explained, is to conserve supplies of the acids for explosives.

Under the order, movements of the acid are made subject to directives of WPB.

N.A.I.D.M. Meeting Opens Today

The National Association of Insecticide and Disinfectant Manufacturers opens its twenty-annual meeting in the Hotel Roosevelt, this city, today. Representatives from OPA, WPB and other government departments and agencies will be among the speakers. The program follows:—

Monday, December 7

Morning Session

Address of the president, J. N. Curlett, McCormick & Co.

Report of the treasurer, John Powell, John Powell & Co.

Report of the secretary, H. W. Hamilton, Kopper Company, White Tar Division.

Report of membership committee, chairman, Henry A. Nelson, Chemical Supply Company.

"The War Production Board Industrial and Household Insecticide Manufacturers Advisory Committee," Ira P. MacNair, MacNair-Dorland Company.

"Questions and Answers: Glass Contain-

—Continued on page 47

72d—OPD—Year

Pest Control Operators Conference

The seventh annual Pest Control Operators Conference will be held at Purdue University, Lafayette, Ind., January 4 to 8. Among the subjects to be discussed are:—

Insect structures and their functions.

The biology of insects.

Fundamentals of insect control.

Classification and identification of insects, with special reference to those occurring in buildings, H. O. Deay.

Specification and bid forms, Morton S. Prescott.

Experience with substitutes for pyrethrum.

What has been done to replace pyrethrum, thallium and other priority chemicals.

Some observations on priority chemicals.

Progress with roach control substances.

Boric acid.

Experience in the use of zinc phos-

—Continued on page 47

I know no way of judging of the future but by the past.

—PATRICK HENRY

To help you formulate your plans for the coming year

Oil, Paint and Drug Reporter will publish its 1942 Annual Review as a Special Section of its January 11, 1943 issue.

Our editorial department here and our staff correspondents in Washington and throughout the country are now busy compiling the material for the Annual Review Section.

In it you will find:

Comprehensive coverage of the current year from a supply and demand and price standpoint.

Chronological treatment of significant news developments.

Complete Review of Washington directives affecting chemicals and related materials in the order of their issuance.

Useful compilations of 1942 materials statistics.

You and many other executives in the industries that produce or use chemicals and related materials will find in the Annual Review much of timely interest and real reference value.

3,000 Reprints

of the Review Section will be distributed after it has appeared in the Reporter for January 11th. Special advertisements in excess of present schedules may be placed in the Review Section at regular rates (¼ page minimum).

Rush Your Reservations

SCHNELL PUBLISHING COMPANY, Inc.

59 JOHN STREET NEW YORK

Current Market Quotations Chemicals and Related Materials

December 4, 1942

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matter under this heading fully protected by copyright

A

Acacia (see Gum, arabic).

Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —

tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
500-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29

USP, cryst., bbls., 2,000-lb. lots, lb. .36 - —
smaller lots.....lb. .37 - —
dms., 25-lb. lots.....lb. .42 - —
kgs., 2,000-lb. lots.....lb. .37 - —
smaller lots.....lb. .38 - —
powd., bbls., 2,000-lb. lots..lb. .34 - —
smaller lots.....lb. .35 - —
dms., 25-lb. lots.....lb. .40 - —
kgs., 2,000-lb. lots.....lb. .35 - —

Acetoacetanilide, bbls., fib. dms., 75-lb. lots..lb. .49 - —
smaller lots.....lb. .67 - —

Acetone, CP,[1] dms., c.l., divd. E.* lb. .08½- —
l.c.l., divd.....lb. .09 - —
tanks, divd.....lb. .07 - —

* OPA ceiling for Eastern territory (the State of New Mexico, Colorado, Wyoming, Montana and all States east thereof); ceilings ½c. per lb. higher for Western territory (all other States of the United States).

Acetonitrile, dms., works.....lb. 1.00 - 2.00

Methyl (see M).

Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
dms., 50 lbs.....lb. 1.08 - —
25 lbs.....lb. 1.10 - —

Acetophenone, cns., dms.....lb. 1.55 - 1.60

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —

Acetic,[1] com'l or redist., 20%, bbls..100 lbs. 3.38 - 3.63
cbys., cs.....100 lbs. 3.88 - 4.15
56%, bbls.....100 lbs. 5.58 - 5.83
cbys., cs.....100 lbs. 6.08 - 6.58
70%, bbls.....100 lbs. 6.68 - 6.98
cby., cs.....100 lbs. 7.18 - 7.43
80%, bbls.....100 lbs. 7.47 - 7.72
cbys., cs.....100 lbs. 7.97 - 8.12
glacial, nat., CP, cbys.100 lbs.13.50 -13.75
95.5%, bbls.....100 lbs. 9.15 - 9.40
cbys.....100 lbs. 9.65 - 9.90
tanks, works.....100 lbs. 6.93 - —
USP, cbys.....100 lbs. 11.70 - —
synth, CP, dms., dworks.NN[1] 100 lbs.13.50 -13.75
99.5%, bbls., c.l., works..... 100 lbs. 9.15 - 9.40
tanks, works.....100 lbs. 6.25 - 6.98
USP XI, al. dms., works.... 100 lbs.10.95 -11.20
pure, 30%, bbls.....100 lbs. 4.44 - 4.69
cbys., cs.....100 lbs. 4.94 - 5.19
36%, bbls.....100 lbs. 4.86 - 5.11
cbys., cs.....100 lbs. 5.36 - 5.61
60%, bbls.....100 lbs. 7.60 - 7.85
cbys., cs.....100 lbs. 8.10 - 8.35
80%, bbls.....100 lbs. 9.26 - 9.51
cbys., cs.....100 lbs. 9.76 -10.01

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply delivered within the Metropolitan zones unless otherwise indicated in the above prices.

Acetic, anhydride,[4] dms., c.l., frt. alld..lb. .11½- —
l.c.l., dms., frt. alld.....lb. .13 - —

Acetylsalicylic,[1] producers, primary jobbers, special, USP, 200-lb. bbls., f.o.b. shipment point*..lb. .45 - —
100-lb. kgs., same basis, lb. .45 - —
25-lb. dms., same basis, lb. .46 - —
5-lb. ctns., same basis, lb. .59 - —
†1-lb. ctns., same basis, lb. .61 - —
Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .49 - —
100-lb. kgs., same basis, lb. .40 - —
25-lb. dms., same basis, lb. .41 - —
5-lb. ctns., same basis, lb. .54 - —
1-lb. ctns.,† same basis, lb. .56 - —

*Freight equaled, shipment identical quantity, over standard routes, from N. Y. City, Phila., Midland, Mich.; Chicago, and St. Louis.
†3c. per lb. may be added for acid packaged in canisters, and 8c. per lb. when packaged in 1-lb. bots.

Adipic, fib., dms., works....lb. .31 - —
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous[6] tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic,[1] bots., dms.....oz. 1.00 - 1.07

Acid, battery, cbys., c.l., E. works..100 lbs. 1.60 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —

USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 .57
900 lbs. or less.....lb. .59 - .60

Boric,[3] tech., 99.5%, cryst. (same as prices for powder).
gran., bgs., c.l., frt. alld., ton.99.00 - —
ton lots, ex whse....ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld....ton.109.00 - —
ton lots, ex whse....ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld, ton.104.00 - —
ton lots, ex whse....ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld...ton.114.00 - —
ton lots, ex whse...ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.

Butyric, 99%, dms., c.l., S. Charleston, W. Va...lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —

Broenner's, bbls.....lb. 1.11 - —

Cacodylic, 5-lb. bots.....lb.22.00 - —

Camphoric, cns.....lb. 6.95 - 7.00

Capric, dms.....lb. .21½ Nom.

Caprylic, dms.....lb. .27 - .27½

Castor oil,[5] split, dms.....lb. .20¾- .21¼

Chlorosulphonic, dms., c.l., wks. lb. .03 - —
5-drum lots, works.....lb. .03¼- —
single drums.....lb. .04½- —
tanks, works.....lb. .02½- —

Chromic,[3,5] 99½-99¾%, dms., c.l., divd. N.Y..lb. .16½- —
l.c.l., 5 tons, divd. N. Y. lb. .16¾- —
smaller quantities, divd. N.Y..lb. .17¼- .18¼

Cinnamic, refd., bots.....lb. 3.50 Nom.

Citric,[1] cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one ship. lb. .20½- —
200-10,000 lbs.....lb. .21 - —
100 lbs., dms., or kgs..lb. .21½- —
50 lbs., dms., or ctns..lb. .23 - —
25 lbs., dms., or ctns..lb. .24 - —
5 lbs., in 5-lb. cont....lb. .29 - —
anhyo., gran., dms., c.l.lb. .22½- —
10,000 lbs., one shipment. lb. .23 - —
smaller lots.....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls.....lb. .65 - —

Coconut oil,[5] dist., dms.....lb. .18½ Nom.

Cottonseed oil,[5] dist., dms...lb. .14 - .14½
tanks.....lb. .13¼- —

Cresylic (coaltar),[5] high-boil 50%, 210°-215°, dms., cl., works, frt. equald..gal. .81 - —
l.c.l., same basis..gal. .83 - —
tanks.....gal. .75 - —

special blends (50%, 210°-215°), dms., c.l., works, frt. equald—gal. .81 - —
l.c.l., same basis.....gal. .83 - —
tanks.....gal. .75 - —

low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis...gal. .83 - —
tanks.....gal. .75 - —

special blends (50%, 204°-206°), dms., c.l., works, frt. equald—gal. .81 - —
l.c.l., same basis...gal. .83 - —
tanks.....gal. .75 - —

Diethylbarbituric (see Barbital).

Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over. lb. .11 - —
1-24 cbys.....lb. .11½- —

Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms...lb. .28 - .31

Gallic, NF VI, bbls., 200 lbs., 5 or more..lb. 1.27 - —
less than 5.....lb. 1.30 - —
fib, dms., 25 lbs.....lb. 1.34 - —
technical, bbls.....lb. 1.05 - 1.13

Gamma, bbls.....lb. .85 - —

Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demij.....lb. .21 - .23
5-lb. bots.....lb. .29 - —

H, bbls.....lb. .45 - —

Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —

Hydrobromic, dilute, 10%, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —

Hydrochloric (see Muriatic).

Hydrocyanic, cyls., works....lb. .80 - 1.00

Acid, hydrofluoric, 30%, lead cbys., frt. all'd..lb. .09 - —
rubber dms., same basis..lb. .08 - —
wooden bbls., same basis..lb. .06 - —
48%, lead cbys., same basis..lb. .12 - —
rubber dms., same basis..lb. .11 - —
52%, lead cbys., same basis..lb. .13 - —
rubber dms., same basis..lb. .12 - —
60%, lead cbys., same basis..lb. .14 - .16½
rubber dms., same basis..lb. .13 - .16½
steel dms., same basis..lb. .13 - —

Hydrofluosilicic, 30-35%, 420 lbs., bbls..lb. .08 - .09

Hypophosphorous, USP, 30%, djns..lb. .75 - .80

Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —

80%, bbls., cbys., 5 or more. lb. .24½- —
1 to 4.....lb. .24¾- —

plastic grade, bbls., cbys., 20 or more..lb. .14½- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —

tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —

44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —

light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —

44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —

USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55

Lauric, dist., tech., dms....lb. .20 Nom.

Laurent's, bbls.....lb. .45 - —

Linseed oil,[5] light, dms.....lb. .20¼- .20¾

Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l.....lb. .26 - —

Malic, powd., kgs.....lb. .47 - —

Mandelic, dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30

Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009

Molybdic, kgs., works.....lb. .95 - 1.10

Monochloroacetic, tech., bbls.lb. .17 - —
purified, bbls.....lb. .20 - —

Monosulphonic, bbls.....lb. 1.50 - —

Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E., works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —

20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —

22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —

CP, dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —

Myristic, dist., dms.....lb. .19 - .19½

Naphthenic,[6] 230-250 acidity, dms., c.l., works..lb. .13 - .14
l.c.l., works.....lb. .13 - .15
tanks, works.....lb. .10 - .13

235-245 acidity, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .15 - —
tanks, c.l., works.....lb. .13 - —

Nicotinic, 1,000-lb. lots, fib. dms. lb. 5.00 - —
100-lb. fib. dms.....lb. 5.15 - —
50-lb. fib. dms.....lb. 5.25 - —
25-lb. fib. dms.....lb. 5.30 - —
5-lb. tins.....lb. 5.46 - —
1-lb. bots.....lb. 5.50 - —

Nicotinic, amide, 25-lb. lots..lb. 9.00 - —
smaller lots.....lb. 9.10 - 9.14

Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —

38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western, works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works 100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —

40°, cbys., c.l., E. works..... 100 lbs. 6.00 - —
l.c.l., 25 and over, E.works. 100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9 works...100 lbs. 6.95 - —

42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —

CP, USP, dealers, cbys.....lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —

Oleic (see Oil, red).

Oleum (see Sulphuric fuming).

Oxalic,[1] dom., bbls., c.l., works. lb. .11¼- —
900 lbs. or over.....lb. .11½- —
smaller quantities...lb. .12½- —

Palm oil,[6] white dist., dms...lb. .13 - .13¼
tanks.....lb. .12½- —

Paraminobenzoic, cns.....lb. 1.40 - —

Paranitrobenzoic, cns.....lb. .72 - —

Phenylacetic, bots.....lb. 1.85 - 1.90

Phosporic, pure food grade, 50%, c.l., bbls., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald.. 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9, cbys., works, frt. alld..100 lbs. 6.25 - 7.25

Acid, phosphoric, pure food, grade, tankwagon, divd., N. Y., Phila., Met area, 100 lbs. 4.00 - —
75%, c.l., bbls., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald.. 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9, cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagons, divd., N. Y., Phila., Met. area..100 lbs. 4.75 - —

USP, 85% syrupy, s. g., 1,710 cbys., 180 lbs., 10 or more..lb. .10½- 11¼
smaller lots.....lb. .12 - .13
75%, cbys., 10 or more....lb. .07¼- —
50%, s. g., 1,347 cbys., 70 lbs..lb. .10½- —
dms., 25 lbs.....lb. .13 - —
10%, dilut., cbys., djns....lb. .07 - .07¼

Picramic, kgs.....lb. .65 - .70

Picric, bbls.....lb. .35 - —

Propionic, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —

Pyrogallic, tech., lump, powd., bbls..lb. 1.45 - —
cns.....lb. 1.63 - —
USP, cryst., cns.....lb. 2.10 - —
resub., cns.....lb. 2.60 - —

Pyroligneous, bbls., divd. E..gal. .25 - —

Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works.....lb. .32 - .37

Salicylic[1] tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40

Sebacic, tech., bbls., works..lb. .65 - .69

Soybean oil,[5] dist., dms.....lb. .17¾- .18¼

Stearic,[5] double pressed, bgs., divd..lb. .14 - .15
single pressed, bgs., divd..lb. .13½- .14¼
triple pressed, bgs., divd..lb. .17 - .18

Succinic, bbls.....lb. .75 - —

Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —

Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —

66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works.....ton.16.50 - —

98°, tonks, works.....ton.17.50 - —

CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15¼- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —

fuming, 20%, tanks, E. works, ton.19.50 - —

Tannic,[6] tech., bbls., dms...lb. .71 - .73
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.33 - —
100-lb. lots.....lb. 1.35 - —
25-lb. lots.....lb. 1.38 - —
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —

Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt..lb. .70½- —
smaller quantities.....lb. .71 - —
kgs.....lb. .71¼- —

Tobias, bbls.....lb. .55 - .60

Trichloroacetic, bots.....lb. 2.00 - 2.50

Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —

Aconite leaves, bls.....lb. 1.40 - 1.45

Root, bls.....lb. 1.85 - 1.90

Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —

Acrylonitrile,[6] dms., frt. alld.lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works..lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —

Adeps lanae,[1] U.S.P., anhyd., dms..lb. .30 - .35
hyd., dms.....lb. .29 - .32

Agar,[5] Kobe, No. 1, strip.....lb. 3.50 - —
dom., f.o.b. San Diego, Cal..lb. 3.00 - —

Agaric, white, bls.....lb. 3.75 - 4.00

Albumen, blood, dom., dms., f.o.b. Chicago..lb. .65 - .70
soluble, dried, c.l., same basis..lb. .13½- —
bg. lots, same basis.....lb. .15 - .20
imported, bgs.....lb. No prices

Egg, ed., dom., cryst., bbls..lb. 1.75 - 1.76
powd., dms,, bbls.....lb. 1.81 - 1.86
tech., cryst., bbls.....lb. 1.60 - 1.65
import, cs.....lb. No prices

Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
tertiary, refd., dms., l.c.l., frt. alld. E. of Miss. R..lb. .09 - —

Benzyl, cns.....lb. .65 - .75
dms.....lb. .63 - —

Butyl, normal,[1,6] dms., c.l., frt. alld., *East..lb. .11¾- .15¼
l.c.l., frt. alld.....lb. .12¼- .15¾
tanks, frt. alld.....lb. .10¾- .14¼

* The term 'Eastern' territory means the States of New Mexico, Colorado, Wyoming, Montana and all States east thereof, and the term 'Western' territory means all other States of the United States.

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Price Ceiling
[2]—Price Suggestion or Agreement
[3]—Full Priority Control
[4]—Industry Control
[5]—General Limitation Order
[6]—Allocation

Alcohol, butyl, secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same terms.....lb. .096 - —
tanks, same terms.....lb. .08½- —
tertiary, denaturing, c.l., dms., lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
Cinnamic, bots.....lb. 3.00 - 3.60
Denatured,[1,2,3] CD14, dms., c.l., dlvd. E..gal. .65 - —
l.c.l., dlvd., dms.....gal. .70 - —
tanks, E., dlvd.....lb. .58 - —

Prices for territories other than E. of Rockies are 5c. per gal. less than Eastern works quotations. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .64 - —
19 bbls., E. works...gal. .66 - —
1 to 18 bbls., E. works, gal. .69 - —
*dms., c.l., E. works..gal. .56½- —
19 dms., E. works...gal. .58½- —
1-18 dms., E. works.gal. .61½- —
tanks, E. works.....gal. .53 - —

* Prices are dms., extra. Deposit, $5 per dm., returnable for full credit.

Anhydrous 3c. per gal. higher.
SD2B, bbls., c.l., works, E... gal. .61 - —
19 bbls., works, E...gal. .63 - —
1 to 18 bbls., works, E. gal. .66 - —
*dms., c.l., E. works..gal. .53½- —
19 dms., E. works...gal. .55½- —
1-18 dms., E. works.gal. .58½- —
tanks, E. works.....gal. .50 - —

* Prices are dms., extra. Deposit, $5 per dm., returnable for full credit.

SD23G (Replaced by SD23H).
SD28H, works, c.l., bbls. gal. .64½- —
19 bbls.....gal. .66½- —
1 to 18 bbls.....gal. .69½- —
*dms., c.l.e., works...gal. .57 - —
19 dms., E. works...gal. .59 - —
1-18 dms., E. works.gal. .62 - —
tanks, E. works.....gal. .53½- —

*Prices are dms. extra. Deposit, $5 per dm. Returnable for full credit.
SD29, denatured with acetaldehyde, bbls., c.l., E. works..gal. .62 - —
l.c.l., 19 or more, E. works..gal. .65½- —
1 to 18, E. works....gal. .68½- —
*dms., c.l., E. works..gal. .54½- —
19 dms., E. works...gal. .58 - —
1-18 dms., E. works.gal. .61 - —
Tanks, E. works.....gal. .51 - —

*Prices are dms. extra. Deposit, $5 per dm. Returnable for full credit.
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works..gal. .61 - —
20 dms., to c.l.....gal. .63 - —
1 to 9 dms.....gal. .66 - —
tanks, E. works.....gal. .54 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10½- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13¼
l.c.l., dlvd.....lb. .11¼- .14
tanks, dlvd.....lb. .10 - .12¼
Ethyl, 190 pf., ex. molasses, dms., c.l..gal.11.99 - —
19 dms.....gal.12.02½- —
5 to 18 dms.....gal.12.05½- —
1 to 4 dms.....gal.12.05½- —
tanks .....gal.11.92 - —
absolute, dms., c.l.....gal.12.64 - —
5 to 18 dms.....gal.12.70½- —
1 to 4 dms.....gal.12.70½- —

Ethyl alcohol in bbls. 4c. higher than dms. Grain alcohol is 10c. per gallon more than the above prices on molasses alcohol.

Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .22½- —
l.c.l., 500 lbs. and more, works..lb. .25 - .35
tanks, wks.....lb. .20 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0860- —
tanks, same basis.....lb. .0760- —
Isopropyl,[2,6] refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .39 - —
l.c.l., same basis...gal. .43½- —
tanks, frt. alld.....gal. .34 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .44 - —
l.c.l., same basis...gal. .47 - —
tanks, same basis.....gal. .37½- —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works.. gal. .67 - .70
Octyl (see Ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, 8,000 lbs., f.o.b. Waverly, N. Y..lb. .44 - —
475-lb. lots, same basis...lb. .50 - —
car lots, wks.....lb. .40 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .72
Aldol, 55 and 110-gal. dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - —
5-10-gal. dms., works...lb. .15 - —
Aletris root, bgs.....lb. .60 - .65
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. 1.75 - 1.80
Allspice,[1] Mexican, bgs.....lb. .22½- .23
Alpha tocopherol, ampules, per gram. 1.00 - 1.50
Aloe, Cape, cs.....lb. .17 - .18
Curacao, cs.....lb. .65 - .70
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 5.45 - —
100-lb. kgs.....lb. 5.47 - —
25-lb. fib. dms.....lb. 5.54 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, whole, bbls.....lb. .68 - 1.35
Alum, ammonia,[6] burns, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —

Ammonia alum prices are for contract and open market; f.o.b. Philа.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.C. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 4.25 - —
dlvd., N. Y., Phila..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phila..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phila..100 lbs. 4.65 - —
Potash alum prices on same basis as those for ammonia alum.
Chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, solut., 24%, l.c.l., bbls., 10 or over, dlvd..lb. .10½- —
1 to 9, dlvd.....lb. .11 - —
normal, solut., 20%, bbls., l.c.l., 10 or over, dlvd..lb. .09½- —
1 to 9, dlvd.....lb. .10 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,100 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works..lb. .11 - —
100 lbs. or less, works..lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solut., 32 leg., chys., c.l., works..lb. .02⅝- —
l.c.l., works.....lb. .03¼- —
Fluoride, bbls.....lb. .35 - .40
Hydrate,[6] heavy, bbls., c.l., works..lb. .0340- —
l.c.l., bbls., works.....lb. .04 - —
bgs., c.l., works.....lb. .1310- —
light, 50-lb. bgs., dlvd.....lb. .14½- —
90-lb. bbls., dlvd.....lb. .15 - —
Oleate, dms., contract.....lb. .24½- —
Palmitate, precip., bbls.....lb. .25 - .26
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., bbls., ctns., c.l..lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works....100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald., 100 lbs. 1.60 - 1.70
iron free, bgs., c.l., works, 100 lbs. 1.75 - 1.85
l.c.l., works.....100 lbs. 2.00 - 2.10
bbls., c.l., works.....100 lbs. 1.95 - 2.05
l.c.l., works.....100 lbs. 2.20 - 2.30
Aluminum, 98-99%, [2,3,4], c.l...lb. .15 - —
l.c.l. .....lb. .16 - —
paste,[6] lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dm.....lb. .71 - —
standard, 200-lb. dm.....lb. .38 - —
powder,[6] lining, extra, fine, 150-lb. dm..lb. .93 - —
litho, 150-lb. dm.....lb. .57 - —
standard, 200-lb. dm.....lb. .59 - —
rubber compound, 200-lb. dm. lb. .40 - —
unpolished, standard, 250-lb. dm..lb. .36 - —
varnish, standard, 300-lb. dm. lb. .40 - —

Aluminum powder, and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia,[6] anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration, tanks, works..lb. .05 - —
pure, cycls., dlvd., Met., N.Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼- —
dms, c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content) f.o.b. works..lb. .04 - —
Benzoate, USP, dms., kgs., 4,000 lbs. or more..lb. 1.05 - —
1,000 lbs. to 3,900 lbs.....lb. 1.07 - —
900 lbs. or less.....lb. 1.10 - —
Bicarbonate, dms., dlvd., Met., N. Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - .35
bxs. .....lb. .34 - .38
kgs. .....lb. .32 - .36
Carbonate, lump, dms., dlvd., Met. N.Y..lb. .06¾- .09¼
cns., same basis.....lb. .14¾- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .10 - —
100-lb. kgs.....lb. .13 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Ammonia, fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 5.71 - —
jars .....lb. 5.65 - —
Linoleate, 80%, anhyd., bbls..lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works.... 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .23 - .29
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs., dom.....lb. .25½- .28½
Phosphate, dibasic, NF V, bls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphamate, 6 bbls., or more, works..lb. .18 - —
2 to 5 bbls., works.....lb. .20 - —
single bbls., works.....lb. .24 - —
smaller lots, works.....lb. .29 - —
Sulphate,[1] dom., bulk, f.o.b. cars at any one of 45 inland producing ovens..ton.28.20 - —
f.o.b. cars, at any one of 21 Atlantic Coast ports. ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, chys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, dms.....lb. .45 - .55
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., works..100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .14½- .17
l.c.l., dlvd.....lb. .15 - .17½
tanks, dlvd.....lb. .13½- .16
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06 - —
Ether, dms., c.l., works.....lb. .09½- —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .08½- —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .31 - —
Salicylate, 5-lb. bots.....lb. 1.25 - 1.50
Stearate, dms., l.c.l. works..lb. .32½- —
Amylene, dms., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 2.35 - 2.40
cans .....lb. 2.25 - 2.30
Angelica root, dom., bls.....lb. .35 - 1.35
import, natural, bls.....lb. 3.25 - —
Angostura, bark, bls.....lb. .22 - .23
Anilin oil,[6] dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .12½- —
Salt, dms., works.....lb. .22 - .24
Anise,[1] Cyprus, bgs.....lb. .34 - .35
Ecuador, bgs.....lb. .33 - .34
Mexican, fair, bgs.....lb. .30 - .31
Spanish, bgs.....lb. .25½- .36
Star .....lb. .45 - .46
Syrian, bgs.....lb. .29½- .30
Turkish, bgs.....lb. .35 - .36
Anisic aldehyde, bots.....lb. 3.25 - 3.35
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., chys.....lb. .17 - —
Metal,[2,4] bulk, c.l., works...lb. .14½- —
Needle, brown, Bolivian, 67%, lb. .18½- —
Chinese, black, 70%.....lb. .20 - .22
Oxide,[6] bgs., c.l.....lb. .15 - —
l.c.l. .....lb. .15½- —
Salt, 65%, bbls., dlvd, E. of Miss. River..lb. .40 - —
Sulphide, 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, bbls.....lb. .26 - —
Areca nuts, powd., bbls.....lb. .25 - .26
Arecoline, hydrobromide, bots., oz.11.25 -11.50
Argols, test 70% to 85% basis, 100%, 100 kgm. purity, f.o.b. Spaninsh ports..100 kilos.105.00 - —
Argentine, f.o.b. N. Y.....kilo.132 00 -134.00
Arnica flowers, bls.....lb. 2.65 - 2.70
Root, bls.....lb. 1.00 - 1.25
Arrowroot, St. Vincent, powd., bgs..lb. .10 - .10½
bbls. .....lb. .09½- .09¾
Arsenic,[6] metal, lump, c.l.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
Trisulphide, l.c.l., works....lb. .30 - .35
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .55 - .60
powd., cs.....lb. .80 - .85
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l (20 tons), Canad. mines, ton.49.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.44.00 - —
6D, bgs., c.l. (30 tons, Canad. mines..ton.33.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.28.50 - —
7F, bgs., c.l. (30 tons, Canad. mines..ton.26.50 - —
Asbestos fiber, 7H, bgs., c.l. (30 tons), Canad. mines.....ton.22.50 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7R, bgs., c.l. (30 tons), Canad. mines..ton.15.50 - —
Asphaltum, Manjak No. 10, crude, f.o.b. plant..lb. .05¼- .12
process form, bgs., f.o.b. plant..lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight lots, bgs., f.o.b. Colorado shipping point.. ton.30.00 - —
Barbadoes, any quantity, f.o.b. Dunellen, N. J..lb. .10½- —
California, dms., c.l., f.o.b. N.Y., ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.40.00 - —
Cuban A, bgs., c.l., f.o.b. N.Y., ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, 340 F, fusing point, bgs., gross weight, f.o.b. western shipping points....ton.32.00 - —
seconds, 370-390 F. fusing point, not uniform, same basis .....ton.25.50 - —
brilliant, selects, 290-295 F. fusing point, same basis. ton.30.50 - —
270 F. fusing point, same basis .....ton.30.50 - —
seconds, 300-330 F. fusing point, not uniform, same basis .....ton.25.50 - —
jet, 2,000 lbs. gross weight lots, bgs., f.o.b. Colorado shipping point..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.21.00 - —
l.c.l., refinery.....ton.21.00 -23.00
tanks, refinery.....ton.16.00 - —
Atropine, bots.....oz.24.50 - —
Sulphate, bots.....oz.18.75 - —

B

Balm of Gilead buds, bgs.....lb. .70 - .80
Barbasco root (see cube root).
Barberry bark, bgs.....lb. .78 - .80
Tree bark, bls.....lb. No stocks
Barbital, cs., dms.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.55.00 - —
l.c.l., works.....ton.60.00 - —
bbls., c.l., works.....ton.60.00 - —
l.c.l., works.....ton.65.00 - —
sulphur-free, c.l., works..ton.60.00 - —
l.c.l., works.....ton.65.00 - —
Chlorate,[6] kgs.....lb. .60 - —
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., Zone 1, bgs., c.l. dlvd..lb.77.00 - —
l.c.l., dlvd.....lb.90.00 - —
bbls., c.l., dlvd.....lb.79.00 - —
l.c.l., dlvd.....lb.92.00 - —
Zone 2, bgs., c.l., dlvd..lb.81.00 - —
l.c.l., dlvd.....lb.94.00 - —
bbls., c.l., dlvd.....lb.83.00 - —
l.c.l., dlvd.....lb.96.00 - —
Zone 3, bgs., c.l., dlvd..lb.87.00 - —
l.c.l., dlvd.....lb.100.00 - —
bbls., c.l., dlvd.....lb.80.00 - —
l.c.l., dlvd.....lb.102.00 - —
Zone 4, bgs., c.l., dlvd..lb.83.00 - —
l.c.l., dlvd.....lb.97.80 - —
bbls., c.l., dlvd.....lb.88.00 - —
l.c.l., dlvd.....lb.99.80 - —

Barium chloride, technical, zones are as follows: Zone 1, New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Ill., Wis., Ky., and principal cities on west bank of Miss. R., north of Miss., north of Ark., line.

Zone 2, Tenn., No. and So. Carolina, Ga., Ala., Miss., and Fla. Zone 3, Minn., Ia., Mo., Col., N. Mex., Idaho, Utah and Ariz. Zone 4, Wash., Ore., Calif., and Nev.

Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .11 - .12
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 .19
Stearate, ctns. (50 lbs. each), ton and carload lots..lb. .31 - —
less than ton lots.....lb. .32 - —
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse, N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis, ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse, N. Y.....ton.34.00 - —
Southern off color, bgs., mines..ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
ore, bulk, mines.....ton. 8.00 - —
German .....ton. No prices
Italian .....ton. No prices
Bauxite,[6] bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, bbls.....gal. 1.40 - 1.50
Bayberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.80 - 1.85
Root, bls.....lb. 1.30 - 1.35
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works....ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
NF VI, dms., 50 to 100 lbs...lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[2,6] 90%, dms., returnable, works..gal. .20 - —
tankcars, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .22 - .24
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —

"This is the first time he's stopped talking about those Tri-Sure Closures!"

"YOU remember how he used to worry about the weather all the time? Afraid it was going to rain — and seep into those drums of his? He said those old fashioned plugs were more expensive than fur coats — because they ruined thousands of dollars worth of gasoline.

Now, since he put Tri-Sure closures on his drums, he never talks about the weather—or yells 'pilferage,' 'contamination' and 'sabotage' in his sleep. He just smiles and says, 'Boy, that Tri-Sure seal sure keeps the gas in and those tough guys out,' or 'Gosh, that Tri-Sure plug is the tightest thing I've seen since your Cousin Elmer left town.'"

Tri-Sure
Reg. U. S. Pat. Off.
CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK

Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
dms. .....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms..lb. 2.50 - —
Chloride, cbys., frt. equald...lb. .22 - .24
Cinnamate, cns.....lb. 5.50 Nom.
Formate, cns.....lb. 3.50 - 3.75
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 4.00 - —
Salicylate, bots.....lb. 2.50 - —
Benzylidineacetone, bots.....lb. 3.00 - 3.25
Berberine bisulphate, cns.....lb.22.50 -38.50
Hydrochloride, cns.....lb.22.50 -38.50
Sulphate, cns.....lb.22.50 -38.50
Berberis root, bls.....lb. .13 - .14
Betanaphthol, sublim., kgs...lb. .55 - —
tech., bbls., c.l., works.....lb. .22 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .33 - .35
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots..
lb. 2.86 - —
jars .....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.63
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns..lb. 1.29 - 1.33
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns. .....lb. 3.65 - —
Bismuth ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black,[2] acetylene, imp., c.l., works, duty paid..lb. .14 - —
Bone, 1A, c.l.....lb. .17 - —
l.c.l. .....lb. .17½- —
2, c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
3, c.l.....lb. .12 - —
l.c.l. .....lb. .12½- —
4, c.l.....lb. .11 - —
l.c.l. .....lb. .11½- —
5, c.l.....lb. .08½- —
l.c.l. .....lb. .09 - —
6, c.l.....lb. .08½- —
l.c.l. .....lb. .09 - —
7, c.l.....lb. .11¼- —
l.c.l. .....lb. .12 - —
8, c.l.....lb. .12¼- —
l.c.l. .....lb. .13 - —

Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.

Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03625- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .08 - —
dlvd. .....lb. .08 - —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03550- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07¼- —
dlvd. .....lb. .07½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, dom., 1, ctns., c.l., works..lb. .07½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .14¼- —
l.c.l., works.....lb. .15¼- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .18¾- —
l.c.l., works.....lb. .20 - —
6, ctns., c.l., works.....lb. .26¼- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .40 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works..lb. .0434- —
Vine, A, bbls., works or N. Y. lb. .04½- .05
B, bbls., works or N. Y....lb. .05¾- —
kegs, f.o.b. N. Y.....lb. .06 - —
dms., c.l., frt. alld.....lb. .09½ Nom.

Black dyes are listed under Dyes.

Black Haw root bark, bls.....lb. .39 - .40
Tree bark, bls.....lb. .20 - .21
Black Indian hemp root, bls..lb. .20 - .26
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., f.o.b. Huntington, W. Va..ton.70.00 - —
bbls. .....ton.75.00 - —
l.c.l., same basis.....ton.75.00 - —
bbls., same basis....ton.80.00 - —
pulp, 66⅔%, bbls., c.l., works. ton.40.00 - —
l.c.l., same basis.....ton.46.50 - —
Bleaching powder,[2,6] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.60
Blood, dried, dom., 16-16½% ammon., bgs., f.o.b. N. Y.. unit-ton. 4.95 - —
high-grade, unground, 16-17% ammon., bulk, f.o.b. Chicago..unit-ton. 5.38 - —
import, bgs., c.i.f. ports, shipt..unit-ton. Nominal
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .32 - .35
Blue,[2] alkali, toner, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .85 - .90

Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, contracts..lb. .86 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .36 - —
Cobalt,[2] genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld. 3.30 - 3.75
Blue, milori, bbls., same basis, contracts..lb. .36 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, same basis, contracts. lb. .52 - —
Potash, dms., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .36 - —
Tungstated, peacock, kgs....lb. 4.00 - —
Victoria, kgs.....lb. 3.30 - —
Methyl violet, kgs.....lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .23 - .27
jobbing grades, bbls., same basis..lb. .12 - .13
regular grades, bbls., same basis..lb. .17 - .27
Blue, ultramarine, dlvd. ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher, 100-lb. bgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria ink toner, bbls., same basis alkali toner..lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .20 - .30
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Bone, raw, dom., industrial.
Blue vitriol (see Copper sulphate).
Bone, raw, dom., industrial, f.o.b. Chicago..ton.57.50 -65.00
junk, same basis.....ton.31.00 - —
imported, South American campo and consumo..ton. No prices
meal, raw, dom., 4½% ammon., 50% phos., bags, f.o.b. Eastern works..ton.37.50 - —
same basis, Chicago.....ton.39.50 - —
steamed, domestic, feeding grade, 1% ammon., 60% phos., bags, f.o.b. Eastern works..ton.44.00 -46.00
same basis, Chicago.....ton.49.00 -50.00
fertilizer grade, 3% ammon., 50% phos., bags, f.o.b. Eastern works..ton.37.50 - —
same basis, Chicago.....ton.35.00 -36.00
Phosphate, precip. (see Calcium phosphate tribasic precip.).
Boneset beans, bls.....lb. .12 - .13
Borage flowers, bls.....lb. .40 - .95
Borax,[2] tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld.....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less than ton lots, ex whse..ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse.....ton.66.00 - —
less ton lots, ex whse.. ton.71.00 - —
powd., bgs., c.l., frt. alld.ton.50.00 - —
ton lots, ex whse.....ton.61.00 - —
less than ton lots, ex whse..ton.66.00 - —
bbls., c.l., frt. alld.....ton.60.00 - —
ton lots ex whse.....ton.71.00 - —
less than ton lots, ex whse..ton.76.00 - —

USP $15 per ton higher.

Bordeaux mixture dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms...lb. .11½- —

Bordeaux mixture prices are works or whse. basis, frt. alld. to dest., in lots of 96 lbs. and over, no trucking or freight allowance for works or warehouse pickups.

Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .15 - .18
Brown,[2] iron oxide, pure, precip., cks., f.o.b. N.Y..lb. .12 - —
Metallic, iron oxide, bbls., wks. lb. .02½- —
paper bgs., c.l., works.....lb. .0235- —
Sap, crystals, dom., works...lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¾- .05
Italian, Amer. replacement type, bbls., f.o.b. works..lb. .08¾- .10¾
raw, American bbls., f.o.b. works..lb. .04 - .10
Italian, Amer. replacement type, bbls., f.o.b. works..lb. .08 - .10
Umber, Amer., bbls., works..lb. .03¾- —
Italian type, Amer. replacement, bbls., works..lb. .04¾- —
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa., N. Af..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City..lb. .05¾- —
Minneapolis..lb. .0535- —
Pittsburgh..lb. .05 - —
ex car, Los Angeles.lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles.lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special .....lb. .12 - —
Brucine, 100 oz., cns.....oz. .35 - —
Sulphate, 100 oz., cns.....oz. .30 - —
Byronia root, bls.....lb. .85 - .90
Buchu leaves, bls.....lb. .80 - .82
Buckthorn bark, true, bls.....lb. .65 - .87
cut and sifted, bbls.....lb. .85 - .97
Berries, bgs.....lb. .85 - .90
Burdock root, bls.....lb. .37 - .38
Burgundy pitch, dom., dms....lb. .06 - —
Butane,[1] industrial grade, tanks, f.o.b. Group 3..gal. .03 - .03½
Butternut bark, bls.....lb. .08 - .09
Butyl acetate,[1] norm., dms., c.l., frt. alld..lb. .14½- .15¾
l.c.l., frt. alld.....lb. .15 - .16¼
tanks, frt. alld.....lb. .13½- .14¾
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Butyl, carbinol, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see under Ether).
Lactate, dms.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Butyl, myristate, dms., works..lb. .41 - —
Oleate, ref'd, dms., works....lb. .35 - —
tech., dms., works.....lb. .29 - —
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate,[6] dms., frt. alld. E. of St. Louis.....lb. .20½- .21½
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .31 - —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y...lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - 1.66
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - 1.91
Iodide, 5-lb. bots.....lb. 4.23 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,4] pat., shapes, cs., dlvd..lb. .95 - —
ingots or sticks.....lb. .90 - —
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, [8] 10,000 lbs. or more, dms., containing 100 lbs..lb. 2.60 - —
dms., containing 25 lbs....lb. 2.63 - —
dms., containing 10 lb....lb. 2.65 - —
2,000 lb. lots, dms., containing 100 lbs..lb. 2.65 - —
dms., containing 25 lbs....lb. 2.68 - —
cns., containing 10 lbs....lb. 2.70 - —
1,000 lb. lots, dms., containing 100 lbs..lb. 2.70 - —
dms., containing 25 lbs....lb. 2.73 - —
cns., containing 10 lbs....lb. 2.75 - —
100 lb. lots, dms., containing 100 lbs..lb. 2.80 - —
dms., containing 25 lbs....lb. 2.83 - —
cns., containing 10 lbs....lb. 2.85 - —
less than 100 lbs., containing 10 lbs..lb. 3.15 - —
Citrated, bots.....lb. 2.30 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .35 - .40
Calamus root, peeled, NF, cs., lb. No stocks
bleached, bls.....lb. No stocks
dom., natural, bls.....lb. .30 - .45
Calcium acetate, bgs., dlvd.... 100 lbs. 3.00 - 4.00
Arsenate,[6] bgs., c.l.....lb. .07 - .08
l.c.l. .....lb. .07¼- .09½

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.

Bromide, 100 lbs., works, frt. equald..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse.100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting)
Chloride, flake, paper bgs. 77-80%, c.l., dlvd..ton.18.50 -35.00
l.c.l., 15 tons, dlvd...ton.21.50 -25.50
5-ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.18.00 -34.50
15 tons, dlvd.....ton.21.45 -25.45
5-ton lots.....ton.28.45 -40.95

Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $8.50 per ton over paper bags.

CP, cryst., 100-lb. lots, bbls., jars..lb. .28 - —
smaller lots, bbls., jars, bots. lb. .29 - .89
Gluconate, USP, gran., 150-lb. lb. .52 - —
dms. .....lb. .57 - .89
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glycerophosphate, fib. dms., 1,000-lb. lots..lb. 1.28 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
Hypophosphite, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 250 lbs..lb. .27 - .28
Mandelate, dense, dms.....lb. 2.05 - 2.30
fluffy, dms.....lb. 2.05 - 2.30
Palmitate, bbls.....lb. .28 - .29
Pantothenate, dex., 100-gram bots..per gram. .50 - —
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt. unit-ton. No prices
feeding grade, bgs., f.o.b. works..ton.75.00 - —
food grade, f.o.b. works, 10 bbls. or over..lb. .07 - .07¾
5 to 9 bbls., same basis, lb. .08 - .09
1 to 4 bbls., same basis, lb. .10 - —
medicinal, bbls.....lb. .11½- .12
dms. .....lb. .12½- .18
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
5 tons and over, bgs., same basis..lb. .06 - —
less than 5 tons, same basis..lb. .06¼- —
tribasic, bbls., c.l., works..lb. .0635- —
l.c.l. .....lb. .0700- .0735
Resinate, precip., bbls., ton lots. lb. .15 - —
smaller lots.....lb. .16 - —
Stearate, precip., c.l.....lb. .25 - —
ton lots.....lb. .26 - —
less than ton lots.....lb. .27 - .28
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80% CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 1,000-lb. lots, 200-lb. bbls..lb. .49 - —
Calendula flowers, bls.....lb. 2.25 - 2.30
Calomel,[2] bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs...lb. .95 Nom.
slabs, cs.....lb. .95 Nom.
tablets, tins.....lb. 1.25 Nom.
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .39½- —
10 bbls. (1,500 lbs.).....lb. .42 - —
5 to 9 bbls.....lb. .42½- —
1 to 4 bbls.....lb. .43½- —
25 lbs. to 149 lbs.....lb. .45½- —
1 lb. to 24 lbs.....lb. .52½- —
USP, gran., powd., bbls., 2,000-lb. lots..lb. .66½- —
1,000-lb. lots.....lb. .67¼- —
smaller lots.....lb. .68¼- —
tablets, 2,000-lb. lots....lb. .79¼- —
1,000-lb. lots.....lb. .80¼- —
smaller lots.....lb. .81½- —
Monobromate, bulk, 100-lb. lots, lb. 3.10 - —
25 to 50-lb. lots.....lb. 3.20 - 3.25
Canada balsam (see Fir, balsam).
Canary seed,[1] Argentine, bgs..lb. .09 - .09¼
Morocco, bgs.....lb. .08¾- .09
Canella alba bark, bls.....lb. .29 - .30
Cantharides, Chinese, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.45 - 2.50
Russian, cs.....lb. 6.00 - 6.25
powd., bxs.....lb. 6.25 - 6.30
Capsicum (see Pepper, red).
Caraway seed,[1] Dutch, bgs....lb. 1.05 - 1.10
Morocco, bgs.....lb. .78 - .80
Syrian, whiskered, bgs.....lb. .50 - .51
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., works...lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07¼
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1,2] Zone 1, 52½-gal. dms., c.l., frt. alld.. gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
Zone 2, 5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l..gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms.....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Conn., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kans. Zone 2 includes N. D., S. D., Neb., Kans., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the States of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom,[1] bleached, cs.....lb. 1.70 - 1.80
decorticated, cs.....lb. 1.55 - 1.60
green, Alleppey, bgs.....lb. .93 - .97
Ceylon, as.....lb. .94 - .97
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb.22.50 -23.50
Cascara sagrada bark, bulk....lb. .26 - .28
Case-hardening mixture, 30% lump, dms., l.c.l. .09 - —
Cassia, dom., 20-80 mesh, bgs., c.l., dlvd..lb. .19 - .21
5 tons, works.....lb. .19¼- .21¼
smaller lots, works.....lb. .19½- .21½
80-100 mesh, c.l., dlvd.....lb. .19¼- .21½
5 tons, works.....lb. .19¾- .21¾
smaller lots, works.....lb. .20 - .22
import, Argentine, 20-30 mesh, bgs., c.l., c.&f.....lb. .05¼- .07
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30-mesh, c.l., bgs., duty paid..lb. No prices
Cassia,[1] Batavia, No. 1, thin quill, bls..lb. .63 - .64
No. 1, regular, bls.....lb. .58 - .59
Shortstick, bls. .....lb. .53 - .54
broken, bls. .....lb. .51 - .52
China, buds, bgs. .....lb. .53 - .54
rolls, select, bls.....lb. .51 - .52
broken, bls. .....lb. .48 - .49
Saigon, all medium, bls.....lb. .62 - .63
all thin, bls. .....lb. .62 - .63
Cassia fistula, bakts.....lb. .23 - .26
Castoreum, nat., cns.....lb.12.50 -15.00
Synth., bots.....lb.19.00 - —
Castor beans, f.o.b. Brazilian ports..long ton.75.00 - —
Oil (see Oil, castor).
Pomace,[1] dom., guaranteed 5½% ammon., bgs., c.l., works, ton.19.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Catechol, resublimed, frt. alld. E. of Miss., 100-lb. dms..lb. 3.50 - —
Celery seed,[1] French, bgs.....lb. .28 Nom.
Indian .....lb. .27½- .28
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, frt. alld. lb. .30 - .35
granules, frt. alld.....lb. .35 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works...lb. .35 - —
kgs. works.....lb. .37 - —
Oxide, optical grade, 100-lb. lots, works..lb. 1.50 - —
smaller lots, works.....lb. 2.00 - —
Chalk, precipitated, drugs, dentifrices, and cosmetics, c.l., spot. lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 - —
rubbermakers, bgs., c.l., works. ton.30.00 - —
Chamomile flowers, Hungarian type, cs..lb. .63 - .64
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.33.80 - —
Ill., Ind., Iowa, Mich., Minn., Mo., Neb., O. and Wis. .....ton.32.50 - —
Penn. .....ton.34.80 - —
Willow, powd., bbls..... lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0275- —
tanks, works.....lb. .0235- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., airfloat, 99.75%, 200 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.16.00 - —
bulk, c.l., works...ton. 7.00 - —
200 mesh, bgs., c.l., wks., ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.00

China clay, dom., wet grd., silk-bolt., 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse., ton.41.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - .95
500 lbs.....lb. .96 - .98
100 lbs.....lb. .98 - 1.00
25 lbs.....lb. 1.00 - 1.02
1-10 lbs.....lb. 1.05 - 1.07
dms., 1,000 lbs.....lb. .90 - .92
500 lbs.....lb. .93 - .95
100 lbs.....lb. .96 - .97
Chlorinated rubber,[6] standard, 100 lbs. or more, works..lb. .32 - —
smaller lots.....lb. .35 - —
Chlorine,[3,5,6] liquid, cyls., c.l., dlvd., N.Y..lb. .05¼- —
contracts, dlvd. N.Y...lb. .05¼- —
l.c.l., dlvd. N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, works, frt. equalized... 100 lbs. 2.50 - —
1, works, frt. equalized... 100 lbs. 3.00 - —
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .82 - —
25-lb. cyls., ex-whse.....lb. 1.00 - —
1-lb. bots., case 2, ex-whse., lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., lb. .22 - —
solut., 5%, cs., bbls.....lb. .07½- —
7½%, cs., bbls.....lb. .06½- —
Cake, bulk, c.l., works.....ton.16.00 - —
Ore, residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 6.03 - 7.00
Cinchona bark, quill, USP, 10 in., medium, cs..lb. 1.25 - 1.30
20 in., thick, cs.....lb. No stocks
20 in., medium, cs.....lb. No stocks
broken quill, red, bgs....lb. .19 - .20
yellow, bgs.....lb. .19 - .20
Cinchonidine,* small, crys., cns., 100 ozs..oz. .89 + .13⅛*
Sulphate, NF, cns., 100 ozs..oz. .53 + .13⅛

* Cinchonidine buyers must pay a surcharge of 13⅛c. per oz. to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[5] small cryst., cns., 100 ozs..oz. .62 + .13⅛*
large cryst., cns., 100 ozs.oz. .66 + .13⅛
Sulphate, NF, cns., 100 ozs.oz. .42 + .13⅛

* Cinchonine buyers must pay a surcharge of 13⅛c. per oz. to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, bots., 1 to 5 lbs. lb. 3.70 - 3.80
dms., 100 lbs.....lb. 3.50 - —
fib. dms., 25 lbs.....lb. 3.50 - 3.60
Heavy density cinchophen 20c. per lb. higher.
Cinnamic alcohol (see Alcohol, cinnamic).
Cinnamon,[1] Ceylon, 2, bls....lb. .57 - .58
To arrive, 0000 bls.....lb. .55 - .56
1, bls.....lb. .51 - .52
2, bls.....lb. .50 - .52
Citral, bots., cns.....lb. 4.95 - 5.00
Citrine ointment,[2] jars.....lb. .98 - 1.00
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 7.00
Clove,[1] Zanzibar.....lb. .18 - .18½
Clover tops, red, dom., bgs....lb. .21 - .22
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works...bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, dms., c.l., works..dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works...dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd. lb. .83¾- —
feed grade, 25% Co., 100 lbs. lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.58 - —
feed grade, 49.5% Co., 100 lbs. lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co., 100 lbs. lb. 1.25 - —
Hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co., 100 lbs. lb. 2.25 - —
Linoleate, paste, 8%, dms...lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co., 100 lbs. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co., 100 lbs..lb. 1.75 - —
Resinate, fused A, bbls.....lb. .15 - —
1% cobalt oxide, bbls.....lb. .15 - —
2% cobalt oxide, bbls.....lb. .16 - —
3½% cobalt oxide, bbls....lb. .18 - —
precip., dms., dlvd.....lb. .38 - —
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co., 100 lbs. lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.
Cobalt-Ammonium sulphate, 14% Co., 100 lbs..lb. .75 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter,[1] bulk, f.o.b. shipping point..lb. .25½- —
Cocillana bark, bgs.....lb. .20 - .21
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .09 - .11
blue, bls.....lb. .09 - .10
Colchicine, bots., cns.....oz.58.00 -63.00
Colchicum seed, bgs.....lb. No stocks
Collodion, USP, dms., 325 lbs..lb. .19½- .20½
cns., 30 lbs.....lb. .23 - .29½
flexible, USP, dms., 325 lbs..lb. .21 - .22
cns., 25 lbs.....lb. .25 - .31
Colocynth pulp, bls.....lb. 1.10 - 1.25
Colombo root, bls.....lb. .10 - .11
Coltsfoot leaves, bgs.....lb. .90 - 1.00
Comdurango bark, bgs.....lb. .14 - .15
Conium leaves, bls.....lb. 1.18 - 1.20
Copaiba, balsam, Para, cns...lb. .47 - .49
S.A., USP, cns.....lb. .50 - .52
Copper acetate,[6] normal, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - .35
Carbonate,[6] 52-54%, bbls.....lb. .19½- .20
Chloride,[6] anhyd., bbls.....lb. .23¼- .24
regular crystals.....lbs. .12 - .14¾
Cyanide,[6] tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1,3,5] electrolytic.....lb. .12 - .12½
Nitrate, tech., cryst., bbls...lb. .16¾- .20
Oleate, precip., bbls.....lb. .22½- .29½
Oxide,[6] black, bbls., tons, works, lb. .19½- .28¼
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .22
Resinate, precip., bbls.....lb. .15½- .16
Sulphate,[6] 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 5.15 - 5.30
l.c.l., 16-50 bbls., same basis, 100 lbs. 5.30 - —
6-15 bbls., same basis... 100 lbs. 5.40 - —
1-5 bbls., same basis..... 100 lbs. 5.65 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 9.20 - —
l.c.l., dealers.....100 lbs.10.20 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works.. 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipment.....lb. No prices
Coriander seed,[1] Morocco, bgs., lb. .11 - .11½
Indian, bgs.....lb. .09 - .10
Corn silk, bls.....lb. .20 - .22
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 3.62 - —
slabs, bbls., c.l.....100 lbs. 3.54 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.69 - —
43°, bbls., c.l.....100 lbs. 3.74 - —
Corrosive sublimate,[3] cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .13 - .14
Cottonseed, hull ash,[1] 32-36% potash, bgs., dlvd..unit-ton. 1.00 - —
meal, 41% protein, Southeast mills, February delivery.ton.35.00 - —
43% protein, same basis..ton.36.50 - —
Coumarin, 25-lb. cns.....lb. 2.75 - —
1-lb. cns.....lb. 2.90 - —
1-oz. cns.....lb. 3.25 - —
less than 5, cns.....lb. 4.15 - 4.65
Cramp bark, NF, bls.....lb. .60. - .75
Cranesbill root, bls.....lb. .18 - .19
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one shipm't..lb. .57½- —
smaller lots, bbls.....lb. .58 - —
kgs.....lb. .58½- —
Creosote, beechwood, cbys., drms. lb. .80 - .90
bots.....lb. 1 00 1.1
hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 2.10 - 2.7
Creosote oil, crude, tanks, works, gal. .15½- —
Coaltar, solution, tanks, works gal. .14 - —
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18¼
Cresol,[6] special resin grade, dms., c.l., works, frt. equald..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08¾- —
USP, dms., c.l., works.....lb. .10¾- —
l.c.l., same basis.....lb. .11¼- —
tanks.....lb. .10 - —
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....100 lbs. 8.75 - —
l.c.l.....100 lbs. 9.25 - —
Cube root,[3] powd., 5% rotenone, bbls., f.o.b. N.Y.C..lb. .35 - —
4% rotenone prices are 4c. per lb. less.
Cubeb berries, XX, bgs.....lb. .70 - .75
powd., cs.....lb. .75 - .80
Culver's root, bls.....lb. .27 - .28
Cumin seed, Cyprus, bgs.....lb. .16½- .17
Morocco, bgs.....lb. .16½- .17
Indian, bgs.....lb. .13½- .13¾
Persian, bgs.....lb. .14 - .14½
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. No stocks
Cyanamid,[3,6] fertilizer grade for mixing purposes, guaranteed 21% N, pulv., bgs., Niagara Falls, Ont., contracte..... unit-ton. 1.52½ Nom.
granular, fertilizer grade for mixing purposes, 20.6% N. bulk, Niagara Falls, Ont.unit-ton. 1.62½ Nom.
Cyanide-chloride, mixture,[6] 45%, gran., dms..lb. .10¾- ..
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —

Calcium Chloride - War Worker!

In war, as in peace, Solvay Calcium Chloride is a versatile worker. Its numerous uses are being employed in many fields to aid substantially the war effort.
CONCRETE CONSTRUCTION
AIRPORT CONSTRUCTION
HIGHWAY CONSTRUCTION
REFRIGERATION OF FOOD
FIRE PROTECTION
DUST CONTROL
PETROLEUM REFINING
HIGHWAY ICE CONTROL
ANTI-FREEZE COAL AND IRON ORE
AIR DRYING

SOLVAY SALES CORPORATION *Alkalies and Chemical Products Manufactured by The Solvay Process Company*

Cyclohexane, 56-100%, dms., wks. lb. .16 - —
Cyclohexanol, 98-100%, dms., wks. lb. .28 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —
Cyclopropane, USP, cyls., divd.. gal. .27 - —

D

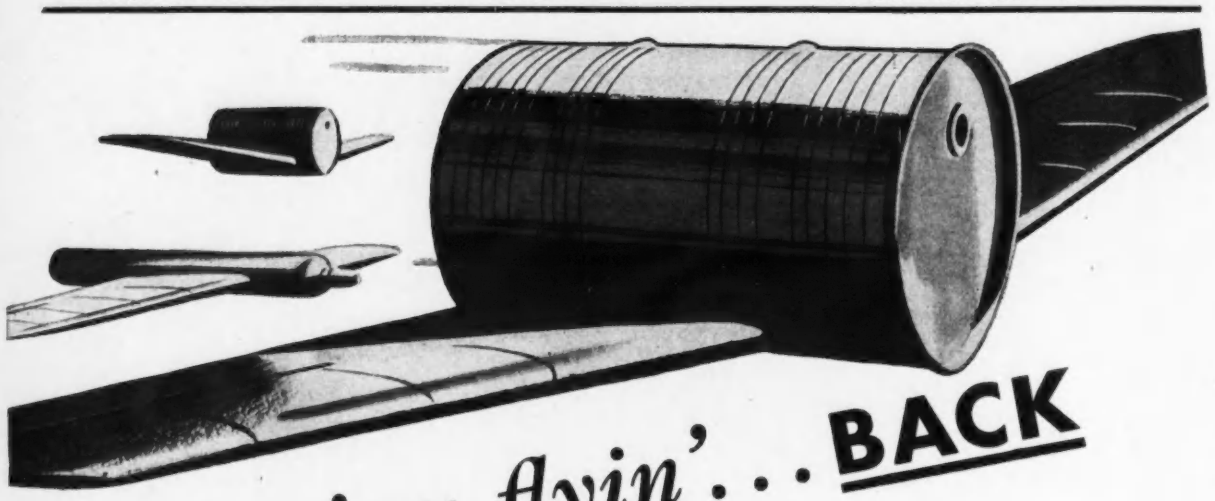
Damiana leaves, bls.....lb. .15 - .16
Dandelion root, bls.....lb. .32 - .33
Decanol, normal, tech., 360 lbs., dms., divd..lb. .35 - —
Deertongue leaves, bls.....lb. .18 - .19
Degras,[5] common, dom., bbls..lb. .11 - .12½
neutral, dom., bbls.....lb. .26 - .30
Derris root,[2] powd., 5% rotenone, bbls., f.o.b. N.Y..lb. .35 - —
4% rotenone prices are 4c. per lb. less.
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.35 - —
corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.20 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
potato, bgs., dom., c.l.....lb. .10 - —
l.c.l., bgs.....lb. .10¼- .11¼
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether (see Amyl Ether).
Phthalate,[6] dms., c.l., divd..lb. .22 - —
l.c.l., divd.....lb. .22½- —
tanks, divd.....lb. .21 - —
Diamyl sulphate, l.c.l., dms., works..lb. .25 - —
Diamylamine, dms., c.l., works.lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylene, dms., c.l., works..lb. .105 - —
l.c.l., works.....lb. .112 - —
tanks, works.....lb. .095 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .18 - —
l.c.l.....lb. .21 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific coast..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .07 -
l.c.l., ex whse.....lb. .10 - .16
import, Algerian, bgs., c.l., c.l.f. ton. No prices
Mexican, white, bgs., c.l., c.l.f. lb. .02 - .03
l.c.l.....lb. .04 - .06
Dibutylamine, dms., c.l., works. lb. .61 - —
l.c.l.....lb. .64 - —
Dibutyl ether (see Ether, butyl).
Phthalate,[2,6] dms., c.l., divd..lb. .21 - —
l.c.l., divd.....lb. .21½- —
tanks, divd.....lb. .20 - —
cns., works.....lb. .23½- —
Dibutyl sebacate, dms., works.lb. .45 - .47
Tartrate, dom., dms.....lb. .92 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether,[6] dms., c.l., works..lb. .15 - —
l.c.l.....lb. .16 - —
tanks.....lb. .14 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. River..lb. .85 - —
Diethylanilin, dms.....lb. .40 - —
Diethyl carbonate, com'l, dms.lb. .25 - —
refd., 99%, dms.....lb. .30 - —
Diethyl oxalate, dms., l.c.l., divd. lb. .33 - —
Phthalate,[6] dms., c.l., divd..lb. .22 - —
l.c.l.....lb. .22½- —
tanks.....lb. .21 - —
Diethyl sulphate, dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethyleneglycol,[6] dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .45 - .50
Diglygol laurate, dms.....lb. .31 - .33
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dilliseed, cleaned, bgs.....lb. .08½- .09
Dimethyl phthalate,[6] dms., c.l., divd..lb. .20 - —
l.c.l., divd.....lb. .20½- —
tanks, divd.....lb. .19 - —
Dimethylamine, dms., c.l., divd.lb. .85 - —
l.c.l., divd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin,[6] d m s .., 2,000 lbs. or over, divd..lb. .44 - —
600-1,950 lbs., divd.....lb. .46 - —
150-450 lbs., divd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld.....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .59 - .61
tanks.....gal. .51 - —
dest., dist., dms.....gal. .55 - .58
tanks.....gal. .45 - —
Diphenyl, bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms..lb. .43 - .45
cns.....lb. .48 - .50
Diphenylamine,[6] bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., 2,000 lbs. or over, divd..lb. .35 - —
600-1,950 lbs., divd.....lb. .36 - —
150-450 lbs., divd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-Divi, Colombian.....ton.100.00- —
Venezuelan.....ton.100.00- —
Doggrass root, imp. cut NF, bls., lb. .50 - 1.50
domestic, bls.....lb. .36 - .45
Dogwood bark, Jamaica, bls...lb. .07 - .09
Drovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, reeds, cs.....lb. .95 - 1.00

Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns.lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Green, FD&C green, No. 2, cns. lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —

Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns....lb.12.35 - —
Orange, D&C orange, No. 4, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.35 - —
D&C orange, No. 12, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.13.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 3, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —

Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.85 - —
Ext. D&C red, No. 8.....lb. 7.85 - —
Ext. D&C red, No. 10, cns.lb.12.35 - —
Ext. D&C red, No. 13, cns.lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour Index Scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .69 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
307 Fast cyanin black B..lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. .80 - .85
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B....lb. .65 - .67
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet .....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.20
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80



Keep 'em flyin'... BACK

The Army needs chemicals... it gets them.
The Navy needs chemicals... it gets them.
High priority warplants need chemicals... they get them.
Industry needs chemicals... it gets them.

COMES A SHORTAGE OF STEEL CONTAINERS

The Army gets some of its requirements.
The Navy gets some of its requirements.
The warplants get some of their requirements.
Industry gets less...

THINGS SLOW DOWN

★ ★ ★ ★ ★

RIGHT NOW, DU PONT HAS THE CHEMICALS ...BUT CONTAINERS ARE SHORT

But when the Army empties containers quickly,
when the Navy empties containers quickly,
when the warplants empty containers quickly,
when industry empties containers quickly

AND ALL USABLE STEEL CYLINDERS, DRUMS, CONTAINERS ARE SENT BACK*

Then the Army gets more.
Then the Navy gets more.
Then the warplants get more.
Then Industry gets more.

EMPTY CONTAINERS PROMPTLY, SEND THEM BACK IMMEDIATELY AND THE SERVICES, THE WARPLANTS, GENERAL INDUSTRY CARRY ON

*We need all Du Pont returnable and non-returnable metal containers in usable condition.

DU PONT
REG. U. S. PAT. OFF.

E. I. DU PONT DE NEMOURS & CO. (INC.), WILMINGTON, DELAWARE

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—
865 Nigrosin derivatives..lb. .36 - .44
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown ..... lb. 1.15 - —
Green:—
1078 Alizarin cyanin green..lb. 5.00 - —
Green ..... lb. .75 - —
Orange:—
24 Sudan I..... lb. .75 - —
Red shade ..... lb. .75 - —
Red:—
75 Sudan II..... lb. 1.05 - —
258 Sudan IV..... lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthraquinone,[6] violet base..lb. 6.00 - —
680 Oil violet ..... lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB..... lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S..lb. .50 - —
873 Methylene gray..... lb. 1.50 - —
729 Victoria blue B..... lb. 1.85 - —
861 Indulin ..... lb. .87 - —
909 New blue P..... lb. 1.30 - —
922 Methylene blue..... lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1150 Indigotin IA ..... lb. .85 - —
Blue:—
714 Patent blue A..... lb. 1.05 - 1.10
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G...lb. .47 - .62
232 Bismarck brown R...lb. .47 - .62
793 Phosphin ..... lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.60 - —
657 Malachite green..... lb. 1.35 - —
662 Brilliant green..... lb. 2.00 - —
666 Guinea green B..... lb. 1.15 - —
737 Wool green S..... lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green..lb. 2.00 - —
Orange:—
10 Chrysoidin G..... lb. .44 - —
21 Chrysoidin R..... lb. .41 - —
27 Orange G..... lb. .50 - —
151 Orange Y..... lb. .31 - .33
161 Orange R..... lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
87 Amidonaphthol red 6B, lb. .68 - —
Red:—
79 Popceau R..... lb. .48 - —
88 Fast red B..... lb. 1.05 - —
176 Fast red A[6]..... lb. .54 - —
179 Azorubin ..... lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A..... lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin ..... lb. 2.10 - —
749 Rhodamine B..... lb. 3.50 - —
752 Rhodamine 6B..... lb. 4.50 - —
768 Eosin G..... lb. 1.50 - —
841 Safranin ..... lb. 1.45 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Violet:—
680 Methyl violet B..... lb. .75 - —
681 Crystal violet C..... lb. 1.75 - —
685 Acid violet 4BN..... lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow ..... lb. .56 - .58
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin ..... lb. .80 - —
655 Auramine ..... lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
864 Nigrosin ..... lb. .36 - .44
Blue:—
860 Indulin ..... lb. .60 - .70
Brown:—
331 Bismarck brown..... lb. 1.50 - —
Green:—
697 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysolilin G..... lb. .95 - —
21 Chrysoidin R..... lb. .96 - —
Red:—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine B..... lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine ..... lb. 2.66 - —
800 Chinolin yellow SS....lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, natural (see name of article).

E

Echinacea root, bls..... lb. .19 - .23
Egg albumen (see Albumen).
yolk, dried, dom., bbls....lb. 1.00 - 1.10
imported ..... lb. 1.00 - 1.10
Elder flowers, bright, bls.....lb. .77 - .78
Elecampane root, bls..... lb. .18 - .19
Elm bark, grinding, bls..... lb. .14 - .15
powd., bbls., bxs..... lb. .20 - .21
select, bndls. ..... lb. .19 - .20
Emetine hydrochloride, bots...oz.33.00 -34.50
Ephedra, bls. ..... lb. .21 - .22
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins ..... oz. .85 - 1.45
synth, USP, hemihydrate, bots., 100 ozs. or more..oz. .65 - —
anhyd., bots., 100 ozs. or more..oz. .65 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .48 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. ..... 100 lbs. 1.90 - —
Epsom salt prices on technical and USP are on the basis of freight equalized with Balto., Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
Epsom salt, USP, cryst., kgs., c.l..100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, bgs., l.c. ..... lb. .08 - .09
Ergot, USP, cns., dms., ton lots, lb. 1.25 - 1.35
smaller lots..... lb. 1.40 - 1.75
Eserine, bots..... oz. No prices.
Salicylate, bots..... oz.41.00 -48.00
Sulphate, bots..... oz.41.00 -48.00
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl, ether).
Butyl, l.c.l., dlvd..... lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .93 - 1.10
Sulphuric, conc., 310-lb. dms., lb. .11 - —
27-lb. dms. ..... lb. .15½- .16
USP, anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synth., dms., c.l., works....lb. .14½- —
l.c.l., works..... lb. .15½- —
tanks ..... lb. .12½- —
Ethyl acetate,[2] 85-90%, dms., c.l., frt. alld..lb. .12 - .13
l.c.l., frt. alld..... lb. .12½- 13¼
tanks, frt. alld..... lb. .11 - .12
95 98%, dms., c.l., frt. alld.lb. .12¼- .13¼
l.c.l., frt. alld..... lb. .12¾- .13¾
tanks, frt. alld..... lb. .11¼- .12¼
NF, 390-lb. dms. ..... lb. .14½- .15½
Acetoacetate, dms., c.l., works, lb. .37½- —
l.c.l., frt. alld..... lb. .38 - —
Ethyl, benzoate, bots..... lb. .90 - 1.00
Bromide, tech., dms..... lb. .50 - .55
Caproate, cns. ..... lb. 1.30 - 1.40
Chloride, dms. ..... lb. .18 - .20
Cinnamate, cns..... lb. 3.50 - 3.75
Formate, cns., dms..... lb. .27¾- —
Iodide, bots. ..... lb. 3.50 - 3.60
Lactate, 55 gal. dms., works, lb. .33½- —
5-gal. dms.. works..... lb. .37½- .39½
Myristate, dms., works..... lb. .55 - —
Oleate, dms., works..... lb. .47 - —
Oenanthate, dms. ..... lb. .75 - 1.25
Oxalate, dms., frt. alld..... lb. .33 - —
Oxyhydrate, bots. ..... gal. 7.50 - 8.00
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns....lb. 5.25 - —
5-lb. lots, cns..... lb. 5.30 - —
1-lb. lots, cns..... lb. 5.40 - —
Ethylcellulose,[6] std., pkgs., 5,000 lbs. or more, works..lb. .50 - —
less than 5,000 lbs., same basis..lb. .52 - .60
Ethylmorphene hydrochloride, bots., 5 oz..oz.10.75 - —
cns., 25 ozs..... oz.10.55 - —
Ethylene, dichloride,[2] dms., c.l., works, E. of Rockies, frt. alld..lb. .0742- —
West of Rockies, same basis..lb. .0792- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0795- —
West of Rockies, same basis..lb. .0841- —
Ethyleneglycol,[6] dms., c.l...lb. .15½- —
l.c.l. ..... lb. .16½- .19¼
tanks ..... lb. .14¼- —
Monobutylether, dms., c.l., wks. lb. .16¼- —
l.c.l., works..... lb. .17½- .20¼
tanks, works ..... lb. .15½- —
Monoetrylether, dms., c.l., wks. lb. .14½- —
l.c.l., works..... lb. .15½- .16¼
tanks, works ..... lb. .13½- —
Ethyleneglycol, monoethylether, acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms. ..... lb. .12½- .15⅛
tanks, works ..... lb. .10⅛- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works..... lb. .16½- —
tanks, works ..... lb. .14⅛- —
Ethyldiethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylethanolamines, dms., c.l., works..lb. .57 - —
l.c.l., works..... lb. .60 - —
Ethyldinanilin, dms. ..... lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Eucalyptol, cns., dms..... lb. 2.00 - 2.50
Eucalyptus, leaves, bls..... lb. .10 - .13
Eugenol, cns., dms..... lb. 2.75 - 2.80
Euphorbia, bls. ..... lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons...ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C., works..... ton.17.00 -19.00
l.c.l., minimum 2 tons, ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .09 - .09¼
Fenugreek seed, bgs..... lb. .08¾- 09¼
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. ..... ton.40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works..lb. .13½- .14
smaller lots, works.....lb. .15 - —
water white, cs., 50 lbs. or over, works..lb. .14½- .15
smaller lots, works.....lb. .17 - —
Fir, balsam, Canada, cns....gal.19.00 -20.00
Oregon, bbls. ..... gal. 1.85 - 2.25
Fish berries, bgs..... lb. .24 - .25
Fish[1] meal, grd., bgs., East Coast fish factories..ton.72.50 - —
scrap, menhaden, new catch, dried, 60% protein, bulk, East Coast fish factories.ton.66.50 - —
acid, 6-7% ammon., 3% a.p.a., bulk, Carolina and Florida fish factories.....unit-ton. No prices
Long Island fish factories, unit-ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs ..... lb. .11 - —
Flaxseed, French, black, bgs..lb. .65 - .70
Indian, blonde, bgs.....lb. .15 - .17
Fluorspar, dom.,[1] No. 1 ground, 95-98%, bulk, c.l., f.o.b. mines..et ton.34.00 - —
bgs., c.l., f.o.b. mines.ton.36.40 - —
washed gravel, 85.5%, f.o.b. Ky. and Ill.-Ky. mines, net ton.25.00 - —
No. 2 lump, 85.5%, f.o.b. Ky. and Ill. mines.....net ton.25.00 - —
crude, 70% f.o.b. N. Mex., mines..net ton.10.00 - —
85%, f.o.b., Colorado mines, net ton.11.50 - —
imported, 85.5%, duty paid.... short ton.26.00 - —

SPOT DELIVERIES

SODIUM PEROXIDE

Sodium Acetate
Soda Ash
Bichromates
Caustic Soda
Zinc Sulphate
Formaldehyde
Heavy Calcined Magnesia

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE • NICKEL OXIDE, ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK • PHONE LE 2-9740

Formaldehyde,[1,2,6] bbls., c.l., works..lb. .0550- .0575
l.c.l., works .....lb. .06 - .0625
dms., c.l., works.....lb. .0515- .0540
l.c.l., works.....lb. .0565- .0590
tanks .....lb. .04 - .04¼
Formaldehyde prices are under 4½c. to 9½c. OPA ceiling.
Fringetree bark, bls.....lb. .30 - .40
Fullers earth, dom., powdered, bgs., c.l., f.o.b. Fla., Ga., mines..ton. 8.50 -15.00
f.o.b. Tex., mines.....ton.12.50 - —
import, Eng., bgs., c.l., dlvd. N. Y...ton.30.00 -40.00
Fumitory herb, bls.....lb. .58 - .60
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
dms., c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, crude, dms., incl., works..gal. .75 - —
refd., dms.. incl.. dlvd....lb. .18½- .19½
Fustic, cryst., bags, No. 1....lb. .32 - —
No. 2..lb. .30 - —
No. 3..lb. .28 - —
extract, bbls., No. 1.....lb. .16 - —
No. 2 .....lb. .15 - —
No. 3 .....lb. .12½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .28 - .30
Gambier, common, cases.....lb. No prices.
plantation, cases.....lb. No prices.
cubes, Singapore, cases...lb. .30 Nom.
extract, bbls. .....lb. .09½- .12
Gasoline[1] at refinery:—
Bayonne, US motor, 65 octane, tanks, ex tax..gal. .0895- —
72-74 octane, ex tax.....gal. .092 - —
California 78 octane at refineries, tanks..gal. .075 - —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax..gal. .05¾- —
Arkansas, US motor, 72-74 octane, leaded, tanks, car lots, ex tax..gal. .06 - —
Group 3, 72-74 octane, tanks, gal. .05¾- .06
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax, gal. .05¾- .06
natural, 26-70, Group 3, tanks..gal. .03¾- —
Gelatin, silver, cs.....lb. .90 - .97
Gelsemium root, bls.....lb. .15 - .19
Gentian root, bls.....lb. .55 - .65
grd., bbls., bxs.....lb. .58 - .67
powd., bbls., bxs.....lb. .60 - .69
Geraniol, 92-96%, cns , dms....lb. 3.50 - 4.50
Ginger,[1] African, No. 1, bls...lb. .28 - .29
Calicut, bgs.....lb. .24 - .28*
Cochin, bleached, bgs.....lb. .26 - .26½
unbleached, bgs.....lb. .24 - .28*
Jamaica, No .1, bgs.....lb. .43 - .44
No. 2, bgs.....lb. .38½- .39
No. 3, bgs.....lb. .38 - .39
Ginseng root, wild Southern, cs.. lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. 1.05 - 1.25
5 tons or over, works.. 100 lbs. 1.15 - 1.35
less than 5 tons, works.. 100 lbs. 1.25 - 1.45
import, bgs. .....100 lbs. No prices.
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest..lb. .16 - —
l.c.l. .....lb. .17 - —
30/58, bgs., c.l.....lb. .15½- —
l.c.l. .....lb. .16½- —
58/82, bgs., c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
82/108, c.l. .....lb. .18½- —
l.c.l. .....lb. .19 - —
hide,[1] 100-121 (jelly test in grams, bgs., c.l., dlvd....lb. .14 - —
bbls., c.l., dlvd.....lb. .14½- —
122-149, bgs., c.l., dlvd....lb. .15 - —
bbls., c.l., dlvd.....lb. .15½- —
150-177, bgs., c.l., dlvd....lb. .16 - —
bbls., c.l., dlvd.....lb. .16½- —
178-206, bgs., c.l., dlvd....lb. .17 - —
bbls., c.l., dlvd.....lb. .17½- —
207-236, bgs., c.l., dlvd....lb. .18 - —
237-266, bgs., c.l., dlvd....lb. .19 - —
bbls., c.l., dlvd.....lb. .19½- —
267-298, bgs., c.l., dlvd....lb. .20 - —
bbls., c.l., dlvd.....lb. .20½- —
299-330, bgs., c.l., dlvd....lb. .21 - —
bbls., c.l., dlvd.....lb. .21½- —
331-362, bgs., c.l., dlvd....lb. .22 - —
bbls., c.l., dlvd.....lb. .22½- —
363-394, bgs., c.l., dlvd....lb. .23 - —
bbls., c.l., dlvd.....lb. .23½- —
395-427, bgs., c.l., dlvd....lb. .24 - —
bbls., c.l., dlvd.....lb. .24½- —
428-460, bgs., c.l., dlvd....lb. .25 - —
bbls., c.l., dlvd.....lb. .25½- —
461-494, bgs., c.l., dlvd....lb. .26 - —
bbls., c.l., dlvd.....lb. .26½- —
495-529, bgs., c.l., dlvd....lb. .27 - —
bbls., c.l., dlvd.....lb. .27½- —

Hide glue transportation charges in excess of 75c. per hundredweight may be added. Prices are those established for sale by producers; prices for glue sold by jobbers are 2c. to 3½c. per pound higher according to grade. Less car lot prices are 1c. per pound higher than car lot. Maximum prices for chrome glue and coney glue in carload lots, wherein the jelly test in grams is 267 or higher, are 2c. per pound higher than the prices established above, while those for these glues, wherein the jelly test is below 267, are 1c. per pound higher than the above prices.

Glycerin[1], Zones A and C, C.P., (B.P. 98%), drums, car lots, dlvd..lb. .18¾- —
less car lots, dlvd..lb. .19¼- —
tanks, dlvd. .....lb. .18¼- —
C.P. (USP 95%), drums, car lots, dlvd..lb. .18¼- —
less car lots, dlvd..lb. .18¾- —
tanks, dlvd. .....lb. .18 - —
dynamite, high gravity, yellow, distilled, drums, car lots, dlvd..lb. .18¼- —
less car lots, dlvd...lb. .18¾- —
tanks, dlvd. .....lb. .18 - —
saponification, 88%, to refiners, dms., c.l., dlvd..lb. .12¾- —
less car lots, dlvd...lb. .12¾- —
tanks, dlvd. .....lb. .12¾- —
to individual users, dms., c.l., f.o.b. point of manufacture..lb. .13¾- —
less car lots, same basis, lb. .14¾- —
tanks, same basis.....lb. .12¾- —
Glycerin, soaplye, 80%, drums, car lots, dlvd..lb. .11½- —
less car lots, dlvd..lb. .11½- —
tanks, dlvd. .....lb. .11½- —

Glycerin prices in Zone B are 2c. higher. Zone A means all points east of and including N. Dak., S. Dak., Neb., Kansas, Omaha, Texas, Laramie County, Wyo.; Col.; east of but not including the following counties:—Jackson, Grand, Gilpin, Jefferson, Douglass, Teller, Fremont, Custer, Huerfano, and Costilla.

Zone B means the territory between Zones A and C, as follows:—Washington, east of and including the following counties:—Okanogan, Chelan, Kittitas, Yakima, Klickat; Ore., east of and including the following counties:—Hood River, Wasco, Jefferson, Deschutes, Klamath; Nev., Ariz., New Mex., that part of Col. west of and including those counties mentioned above; Utah, Wyo., excepting Laramie County; Idaho and Mont.

Zone C means the territory west of Zone B.

Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms .....lb. .38 - —
Stearate, dms. .....lb. .26 - —
Gold, U. S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots. .....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs....lb. .30 - .32
Goldenseal root, bls.....lb. 4.60 - 4.70
powd., bxs.....lb. 4.90 - 5.00
Grains of Paradise, bgs.....lb. .28 - 36
Graphite,[6] flake (cryst.), 90%, 325 mesh, 50% graphitic, carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works.....lb. .07¼- —
l.c.l., works.....lb. .07½- —
65% graphitic, carbon, bgs., c.l., works..lb. .02½- —
l.c.l., works.....lb. .03¼- —
bbls., c.l. works.....lb. .02¾- —
80% graphite, carbon, bgs., c.l., works..lb. .03¼- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease,[1,6] house, loose.....lb. .08¼- —
white, loose .....lb. .08¾- —
Wool (see Adeps lanae and Degras).
Green,[3] chrome, CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
6-10%, bbls., same basis.lb. .24 - —
11-15%, bbls., same basis.lb. .25 - —
16-20%, bbls., same basis.lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 5%, same basis, lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09½- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10¼- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis.lb. .19 - —
66-70%, bbls., same basis, lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —

Green, chrome, prices are ¼c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chrome oxide, drums, pure, works..lb. .24 - —
Tetrahydroxide, bbls. .....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.75 - —
emerald, kgs. .....lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .11 - .12
Guaiac resin, cs.....lb. .80 - .85
strained, cs.....lb. 1.50 - 1.60
Wood, bls. .....lb. .05 - .06
Guaiacol, liq., dms.....lb. 1.75 - 2.01
Carbonate, fib. dms.....lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.20 - 1.80
Gum aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, umber sorts, cleaned, bgs..lb. .14½- .15
powd., bbls. .....lb. .20 - .21
white, sorts, 1, bgs.....lb. .33 - .35
Asafetida (see A).
Aspraltum (see A).
Benzoin, Siam, cs.....lb. 4.50 - 4.75
Sumatra, cs.....lb. .50 - .55
Camphor (See C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .40 - .42
Copal, Congo, No. 1 unsorted..lb. .14¾- —
No. 2, unsorted.....lb. .12¾- —
No. 3, unsorted.....lb. .11¼- —
Manila, Boeas, amber and dark..lb. .14½- —
Boeas, Macassar, light....lb. .15½- —
Loba, A.....lb. .14 - —
B .....lb. .13¾- —
C .....lb. .13¾- —
CBB .....lb. .12 - —
CNE .....lb. .10 - —
D .....lb. .12¾- —
DBB .....lb. .11 - —
Du .....lb. .08¾- —
DK .....lb. .09½- —
dust .....lb. .07¾- —
MA .....lb. .09¾- —
MB .....lb. .09¼- —
WS .....lb. .11¾- —
Philippine, amber, sorts..lb. .10½- —
extra pale sorts.....lb. .12¾- —
nubs .....lb. .13¾- —
pale chips.....lb. .13 - —
scraped .....lb. .15 - —
seeds and dust.....lb. .08¾- —
small pale chips.....lb. .11¾- —
Sambas and white split chips lb. .15½- —
Singapore dust .....lb. .08¾- —
spirit soluble, CBB....lb. .12 - —
DBB .....lb. .11 - —
MA .....lb. .09¾- —
MB .....lb. .09¼- —
WS .....lb. .12¾- —
Gum, copal, Pontianak, bold, genuine .....lb. .22½- —
chips .....lb. .12¾- —
mixed .....lb. .17½- —
nubs .....lb. .18¾- —
split .....lb. .19¼- —
Dammar, Batavia A.....lb. .35¾- —
A/C .....lb. .31¼- —
A/D .....lb. .28¾- —
A/E .....lb. .25¾- —
B .....lb. .24¾- —
C .....lb. .28¾- —
D .....lb. .25¾- —
dust .....lb. .13¾- —
E .....lb. .18¾- —
F .....lb. .13¾- —
dust .....lb. .13¾- —
Singapore, No. 1.....lb. .30¾- —
2 .....lb. .25¾- —
3 .....lb. .12¾- —
chips .....lb. .23½- —
dust .....lb. .13 - —
seeds .....lb. .17¾- —
East Indian, Batu, bold, scraped..lb. .10¼- —
unscraped .....lb. .09 - —
chips .....lb. .05¾- —
dust .....lb. .05½- —
nubs and chips.....lb. .05¾- —
black, bold scraped.....lb. .12 - —
unscraped .....lb. .07½- —
nubs and chips.....lb. .07¼- —
chips .....lb. .11¼- —
dust .....lb. .05¼- —
nubs .....lb. .13¾- —
Rasak, bold.....lb. .22¾- —
chips .....lb. .11¾- —
dust .....lb. .05½- —
nubs .....lb. .10¾- —

On arrivals since June 1, importers have been authorized by OPA's amended order M-63 to add to the above prices charges of approximately 5¼% for freight, marine and war risk insurance.

Gums, copal, Congo and Pontianak are packed in bgs.; Manila copal gums are packed in baskets; dammar gums are packed in cases; East India gums are packed in bgs.; gum elemi is packed in cans. Prices are in carload lots, ex dock or ex whse., San Francisco or New York. L.c.l. prices are ¼c. to ½c. per lb. higher.

Elemi .....lb. .08½- —
Ester, ordinary, carload lots, N. Eng., Middle Atlantic States, Va., W. Va., N. C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., and St. Louis, Mo., f.o.b. cars, destination.....lb. .09½- —
other points .....lb. .10 - .11
ten drums, N. Eng., etc..lb. .09¾- —
other points .....lb. .10½- .11¾
single drums, N. Eng., etc. lb. .10 - —
other points.....lb. .10¾- .12

Ester gum spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs. .....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. 2.30 - 2.35
powd., bbls. .....lb. 2.50 - 2.55
Ghatti, soluble, bgs.....lb. .11 - .15
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, Bush, bold.....lb. .40 - —
assorted .....lb. .35 - —
chips .....lb. .32 - —
dark .....lb. .18 - —
bright .....lb. .18 - —
BXXX .....lb. .77 - —
B1 .....lb. .34 - —
B2 .....lb. .30 - —
B3 .....lb. .27½- —
80% chips.....lb. .16 - —
XXX .....lb. .66 - —
1 .....lb. .43 - —
2 .....lb. .31 - —
3 .....lb. .22 - —

Gum Kauri prices are for carload lots, packed in cases, ex dock or ex whse. San Francisco or New York. L.c.l. prices are ¼c. to ½c. per pound righer. On arrivals of gum kauri since June 1, importers have been authorized by OPA's amended order M-63 to add to the above prices charges of approximately 5¼% for freight, marine and war risk insurance.

Kino, tins.....lb. No prices.
Locust bean, powd., bbls....lb. 1.15 - 1.25
Mastic, cs. .....lb. 3.50 - 3.75
Myrrh, USP, cs.....lb. .75 - .76
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs. .....lb. .20 - .35
Opium (see O).
Rosin (see R).
Sandarac, cks.....lb. .95 - .97½
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs. .....lb. .10 - .11
Tragacanth, Aleppo, No. 1, cs., lb. 3.75 - 3.80
No. 2, cs.....lb. 3.40 - 3.45
No. 3, cs.....lb. 1.10 - 1.20
Yacca,[1] bgs.....lb. .06 - .07½
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Medicine Lodge, Kan., frt. equaled..ton.17.00 - —
Harlem River, N. Y., frt. equaled..ton.28.25 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equaled..lb.13.00 - —
Southard, Oklahoma, frt. equald. .ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y., Blue Rapids, Kansas; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va.....lb. 9.00 - —
Terra Alba, dom., paper bgs., c.l., f.o.b. New Brighton, N.Y.; Southard, Okla..ton.12.00 - —
Harlem River, N.Y..ton.12.00 - —
import, bgs., ex dock....ton. No prices.

H

Hawthorn berries, bgs.....lb. 1.10 - 1.15
Heliotropin, cryst., cns.....lb. 5.25 - 5.50
Hellebore root, white, powd., bbls. lb. .46 - .47
Helonias root, bls.....lb. .82 - .85
Hematine, cryst., bgs., No. 1..lb. .34 - —
No. 2 .....lb. .30 - —
No. 3 .....lb. .28 - —
No. 4 .....lb. .26 - —
No. 5 .....lb. .24 - —
paste, bxs., No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract, 25% tan, c.l., bbls., works..lb. .0385- —
tanks, works .....lb. .0325- —
Hempseed, Manchur., bgs.....lb. .14½- .15
Henbane leaves, bbls.....lb. 1.90 - 2.10
Henna leaves, bls.....lb. .23 - .24
powd., bbls., bxs.....lb. .27 - .28
Heptane,[1] 56°-100°C, industrial grade, dms., c.l., Group 3..gal. .12¼- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gal., Group 3.....gal .55 - —
Heptane, laboratory grade, 77°-115°, industrial grade, dms., c.l., Group 3.....gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gal., Group 3....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine[4,5], tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipment, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipment, same basis..lb. .35 - —
fib. ctns., same basis.....lb. .40 - —
Hexanes[1] 60°-70°C, industrial grade, dms., c.l., Group 3..gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gal., Group 3.....gal. .55 - —
Hexanol, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, 25 oz. lots, bots..oz.37.50 -43.00
Hoofmeal, 17-18% ammon., bulk. f.o.b. Chicago..unit. 4.50 - —
Hops, NF, bls.....lb. .26 - .27
Horehound, bls.....lb. .11 - .14
Hydrangea root, bls.....lb. No prices.
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.29.00 - —
Hydrastinine, 15 grs., bots..bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. 100 vols., cbys., E. of Miss. River; West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellol, cns.....lb. 6.50 - 7.50
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyoscyamine, bots. .....oz.37.50 - —
Hydrobromide, bots. .....oz.37.50 - —
Sulphate, bots. .....oz.37.50 - —
Hypernic, cryst., bgs., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .19 - —

I

Iceland moss, bls.....lb. 1.45 - 1.50
Ichthyol, bots.....lb. No stocks
Indian red (see Red Indian).
Indigo, nat., chests.....lb. 2.14 - 2.20
synth., paste, bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.28.00 -30.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., 5 lb. bots.....lb. 2.10 - —
50 lb. lots.....lb. 2.00 - —
Iodoform, 100-lb. dms.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.25
Methyl, alpha, 100%, cns....lb. 4.35 - —
Ipecac, root, bgs.....lb. 1.66 - 1.85
powd., bgs.....lb. 1.76 - 1.95
Irish moss, ordinary, bls.....lb. .26 - .27
powd., 80-90 mesh, bbls..lb. .32 - .33
prime bleached, bls.....lb. .40 - .50
powd .....lb. .52 - .53
Iron acetate, N. F., IV., 100-lb. cbys..lb. .17 - —
50 lbs. djns.....lb. .18 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
cbys., wks., frt. alld.
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equaled..lb. .07½- .08
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
solut., cbys., works, frt. alld. or equaled..lb. .06½- .07½
djns, ...lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales .....lb. .77 - .80
Glycerophosphate, bbls., 1,000-lb. lots..lb. 3.30 - 3.39
100-lb. lots.....lb. 3.40 - 3.49
cns., 25 lbs.....lb. 3.52 - 3.62
Hyposulphite, bbls., dms.....lb. 1.50 - 1.53
Iodide, bots.....lb. 3.18 - 3.52
syrup, cbys.....lb. .39 - .40
bots. .....lb. .53 - .59
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
rans .....lb. .52 - —
pearls, cns.....lb. .82 - —
Oxide, black (see Black iron oxide).

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Prepared Monthly by U. S. Industrial Chemicals, Inc.

U.S.I. CHEMICAL NEWS

December ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1942

Improved Synthetic Camphor Yield Seen With New Procedure

Ethanol Treatment of Bornyl Chloride Residues May Be Key

WEEKS, La.—What may be the key to higher yields of synthetic camphor is suggested in a recent patent granted to two inventors here.

The patent deals with a new technique for increasing the yield of bornyl chloride, and since this compound is an important intermediate in the production of synthetic camphor, the process described may be expected to have beneficial results in increasing the output of the latter material also.

Preparation of Bornyl Chloride

Bornyl chloride, the inventors point out, is prepared by saturating pinene with dry hydrogen chloride. An oily mixture is formed, from which the bornyl chloride is separated by crystallization. It has now been found, however, that substantial amounts of the bornyl chloride are not removed by the crystallization, and remain in the residue.

This additional material, the inventors claim, can be recovered by selective dehydro-

(*Continued on next page*)

Ether Called Best Wartime Anesthetic Of Inhalation Type

Among the existing anesthetics of the inhalation type, ether has definite advantages for use in combat areas, it has recently been reported. Factors contributing to the suitability of ether for wartime inhalation anesthesia include the ease with which it can be transported in small cans; the possibility of storing it for indefinite periods; ease and safety of administration by the open drop method; and the relatively lower danger of explosion as compared with other commonly used inhalation anesthetics.

Ease and safety of administration of ether are among the reasons why it has been characterized as the best anesthetic of the inhalation type for use in combat areas.

Offer Ointment Formula For Mustard Gas Burns

WASHINGTON, D. C.—An ointment suggested by the Office of Civilian Defense to relieve the pain and itching of mustard gas burns has the following proportions:

	Parts
Benzyl alcohol	50
Stearic acid	30
Glycerin	10
Ethyl alcohol	8
Pontocaine	1
Menthol	1

Copal Resins Dissolved By Aid of Nascent Oxygen

SUNDBYBERG, Sweden—Difficultly soluble fossil resins, particularly such members of the copal group as Zanzibar, Mozambique, and Congo resins, can be easily dissolved without previous melting by subjecting them to the action of nascent oxygen in the presence of an inert solvent.

This discovery has been made by an inventor here, who has received a U. S. patent on the method. In a typical procedure, the resin is finely divided and mixed with a small amount of manganese peroxide or vanadic acid, acting as a catalytic agent. Over the mixture is poured a suitable solvent: for example, ethanol, or a mixture of 50% ethanol, 40% benzol, and 10% acetone.

A mixture of hydrogen peroxide and nitric acid is then added. Nascent oxygen is released from the hydrogen peroxide, and reacts on the particles of the resin, which quickly dissolve in the solvent, it is claimed.

Say Tincture Preparation Time May Be Shortened

Possibility that the time for preparing tinctures of alkaloids may be shortened is suggested by the work of foreign investigators. According to reports of this work, a tincture of cinchona was first prepared by 10-day maceration with dilute alcohol. This tincture assayed 1.25% alkaloids. It was found that maceration with shaking, using 70% alcohol, yielded a tincture equal in potency to that prepared by the 10-day maceration.

This suggests that by a procedure of shaking and maceration, tincture of cinchona can be prepared in small quantities in a short period of time. It has not yet been determined whether the technique can be applied with equal success to other tinctures.

Describes Novel Method of Testing Greaseproof Paper

APPLETON, Wis.—A titanium pigment dispersed in ethanol plays a part in a new method for evaluating greaseproof paper, according to a patent issued to two inventors here.

The pigment is applied to one side of the paper and an oil dye to the other. If any of the oil dye penetrates the sheet, it will be absorbed into the pigment coating, producing a stain. The effectiveness of the greaseproofing is determined by comparing the appearance of the test sample, after a definite time, with a standard sample.

Lists Many Esters Helpful in Abating Foaming of Casein

Recent Research Throws Further Light on Most Effective Agents

NEWTON, Mass.—A new insight into ways of preventing foaming of casein paints and other protein compositions has been given as a result of research outlined in a patent recently granted to an inventor here.

According to the inventor's theory, foam formation and prevention in protein compositions are related to the action taking place at the interface between the protein composition, the air phase, and the film of anti-foaming material. It is suggested that the formation of the foam results from an increased concentration of the protein material at the interface. The surface tension of the water is thus lowered sufficiently to allow the formation of bubbles of foam.

Effect of Anti-foaming Agents

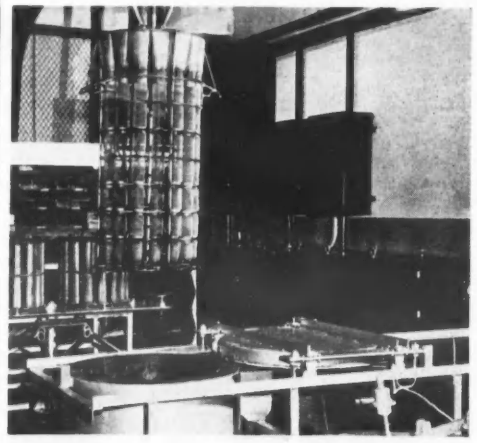
If an anti-foaming agent is present in an amount greater than is needed to saturate the protein film, the protein, according to this

(*Continued on next page*)

Alcohol Quench Prevents Aluminum Alloy Rivets From Sticking Together

Aluminum alloy rivets used in aircraft construction by The Glenn L. Martin Company are prevented from sticking together by immersing them in an alcohol quench tank.

The rivets are of the type which, immediately after heat treatment, are placed in refrigerated storage to keep them soft and workable until they are to be used. (U.S.I. CHEMICAL NEWS, September, 1941.) At the conclusion of the heat treatment, the rivets are first quenched in water, and then in alcohol at 0° F. or less. The alcohol quench aids in preventing the rivets from freezing together when they are later placed in cold storage.



Quench basket containing rivets is lowered into alcohol quench tank, which helps to prevent them from sticking together.

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December ★ # U.S.I. CHEMICAL NEWS ★ 1942

Solvent Blend Addition Helps Prevent Clogging Of Oil Burning Systems

CHICAGO, Ill. — The clogging and fouling of domestic and commercial fuel oil burners can be prevented to a large extent by the addition of small amounts of a suitable solvent blend to the fuel oil.

This discovery is outlined in a recently issued patent assigned to a manufacturer here. In general terms, the solvent blend consists of: a compound boiling over 350° F. and having excellent gum solvent properties at elevated temperatures; and a compound boiling below 350° F. and having good gum solvent properties at ordinary temperatures.

A particularly effective solvent blend, it is indicated by the patent, consists of dibutyl phthalate and ethyl acetate. It is claimed that the addition of such a blend is helpful not only in preventing fouling of the oil burning system, but also in removing existing gummy deposits.

Dibutyl phthalate and ethyl acetate are produced by U.S.I.

Dibutyl Phthalate Nearest To Universal Plasticizer.

Dibutyl phthalate represents the nearest approach to a universal plasticizer for grinding pigment pastes to be added to lacquers, it was suggested in a recently conducted question-and-answer forum on paint problems. The dibutyl phthalate absorption of pigments is approximately twice that of raw linseed oil.

Dibutyl phthalate is particularly suitable for grinding pigments for addition to nitrocellulose lacquers. For cellulose acetobutyrate lacquers, it is suggested that a mixture of dibutyl and dimethyl phthalates should prove most satisfactory.

Synthetic Camphor Yield

(*Continued from preceding page*)

chlorination of the residue in the presence of 95% ethanol. The ethanol serves as a common solvent for the components of the residue and for the dehydrochlorinating reagent.

The treatment, it is said, does not affect the bornyl chloride, but the other components of the residue become dehydrochlorinated, and can be separated from the bornyl chloride by distillation.

Recovery is reported to be as high as 25 to 35% by weight of the residue.

Revised Specifications For Road-Marking Paints

WASHINGTON, D. C. — New specifications have been issued for road-marking paints, to conform with regulations permitting the use of limited amounts of Batu and Congo Copal gums in paints of this character.

Under present regulations, up to one pound of Batu or two pounds of Congo can be used per gallon of road-marking paint. The revised specifications take into account this easing of restrictions on the use of natural resins.

U.S.I. will refer readers to a source from which the new specifications can be obtained.

Foam-Abating Agents

(*Continued from preceding page*)

theory, is either precipitated out of the solution, or is reduced in concentration so that it no longer lowers the surface tension of the water. Consequently, foam formation is abated.

It is obvious that the application of this theory to foam prevention requires the use of an agent exceeding that necessary to saturate the solution. This result can be obtained, the inventor claims, by means of esters which are soluble to only a limited extent in water, and which have a higher boiling point. When these esters are added to the protein compositions in amounts exceeding their solubility in water, at least a molecular layer of undissolved ester is always present between the surface of the protein solution and the adjacent surface of the air layer.

Suitable Esters

In this way, a permanent anti-foaming effect can be produced, according to the inventor. The patent lists a considerable number of esters which meet the necessary requirements. Among the U.S.I. products included in the list are:

- Amyl acetate
- Butyl acetate
- Butyl ethanedioate
- Dibutyl phthalate
- Diethyl carbonate
- Diethyl phthalate
- Ethyl acetate
- Ethyl ethanedioate

The use of these esters is expected to be effective in abating foam formation in casein and other protein compositions for such applications as paints, inks, and paper coating.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

An abrasion-resistant plastic is described as transparent, insoluble in common solvents, 20 to 30 times as resistant to abrasion as most clear plastics. Maker says that it retains its shape when exposed to high atmospheric temperatures, can be formed into large sheets at low pressures. **(No. 640)**

U S I

A textile finishing agent is said to be useful in replacing sulfonated tallow. It is claimed that 100 pounds of the new agent will do the work of 140 pounds of sulfonated tallow, and that the cost compares favorably. **(No. 641)**

U S I

A paper fabric is suggested by the manufacturer as a substitute for cloth and burlap. It is said that the cellulose fibers are effectively interlocked and fastened, resulting in high inherent wet strength independent of any coating or sizing on the surface. **(No. 642)**

U S I

A sealing liquid is said to protect wood or concrete against attack or infiltration by oil and gasoline, and can also be applied as a protective coating on steel. According to the maker, it resists attack by many solvents and fatty acids. **(No. 643)**

U S I

A multiple-drum mixer will handle four 50-gallon drums and the same number of 5-gallon drums, rotating them at 30 RPM to mix their contents. **(No. 644)**

U S I

Temporary protection for metal parts in storage or transit is provided by a new liquid which dries to form a stable, non-adhesive film, according to the manufacturer. It is claimed that the film is unaffected by oil, grease, gasoline, water, alcohol, brine solutions, will not become brittle under sunlight, and that it peels off as a complete film. **(No. 645)**

U S I

A new Buechner filter is said to retain all the advantages of this type of funnel, with the added feature of physical stability. The entire unit is supported by a cylindrical base that rests firmly on the table, and the filtrate is drawn off through a vacuum connection at the bottom. **(No. 646)**

U S I

Low actinic glassware has been developed especially to meet the need for colored laboratory glassware affording high protective value to certain light-sensitive substances, it is reported. The protecting red color is described as an integral part of the glassware. **(No. 647)**

U S I

A polarizing film is said to require no scarce imported materials in its manufacture. It is also available in the form of laminated glass, and while material is used for war purposes, limited supplies are reported available for experimental purposes. **(No. 648)**

U S I

A form liner for concrete is said to contain no restricted materials, and to strip cleanly away from a finished concrete surface. It is reported to be cheap enough to discard after use. **(No. 649)**

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND STREET, NEW YORK — CHEMICALS INDUSTRIAL ANTI- USI SERVICE TO INDUSTRY SOLVENTS ALCOHOLS FREEZE — BRANCHES IN ALL PRINCIPAL CITIES

ALCOHOLS
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined

Ethanol (Ethyl Alcohol)
Specially Denatured—All regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
U.S.I. Denatured Alcohol
Anti-freeze
*Super Pyro Anti-freeze
*Solox Proprietary Solvent
*Solox D-1 De-icing Fluid

***ANSOLS**
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Butyl Oxalate
Ethyl Oxalate

PHTHALIC ESTERS
Amyl Phthalate
Butyl Phthalate
Ethyl Phthalate

OTHER ESTERS
*Diatol
Ethyl Carbonate
Ethyl Chloroformate
Ethyl Formate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone
Collodions
*Curbay B-G
*Curbay Binders
*Curbay X (Powder)
Ethylene
Ethylene Glycol
Nitrocellulose Solutions
Potash, Agricultural
Urethan
*Vacatone

*Registered Trade Mark

Lime, hydrated, Louisville, Ky. ton.14.50 - —
Manistique, Mich....ton. 2.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Nowata, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bgs., f.o.b.:—
Adams, Mass.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J.....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. No price
dms., same basis.....lb. No price
400 lbs. or more, bgs., same basis..lb. No price
dms., same basis.....lb. No price
less than 400 lbs., same basis..lb. No price
dms., same basis.....lb. No price
Solution, Zone 1, dms., consumers..gal. No price
Zone 2, tanks, dealers, wks. gal. No price
80-50, dms.....gal. No price
Zone 3, tanks, dealers, dlvd. gal. No price
80-50, dms.....gal. No price
Zone 4, tanks, dealers, wks. gal. No price
dms., wks., except Cal.gal. No price
Zone 5, dealers, dlvd.....gal. No price
dms.....gal. No price
Zone 6, tanks, dealers.....gal. No price
80-50, dms.....gal. No price

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Allegheny; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3: Ark., Ohio., Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. river; Penn., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountain, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 6.75 - 7.00
Linalyl acetate, 70% to 80%, cns., lb. 5.50 - 6.00
90%, cns.....lb. 6.50 - 6.75
92%, cns.....lb. 7.00 - 7.25
Linden flowers, bls.....lb. 1.10 - 1.60
without leaves, bls..... No stocks
Linseed meal, 32%, sacks, f.o.b. New York December delivery..ton.37.50 Nom.
Litharge, com'l powd., bbls., 20 tons, dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore., and Wash..lb. .06¼- —
dlvd. other points.....lb. .06 - —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash...lb. .06¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .06¾- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .06½- —
smaller lots, dlvd. Ala., etc.....lb. .09¼- —
Ariz., etc.....lb. .06¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Lithium bromide, bbls., 100 lbs., works, frt. equald..lb. 1.92 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Hydroxide, jars.....lb. 1.85 - —
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone,[1] titanated (high strength), bgs., c.l., (20 ton)..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l. (20 tons).....lb. .0585- —
smaller lots.....lb. .0610- —
ordinary, bgs., c.l. (20 tons).lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —

Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst. and in less car lots is ½c. higher ex whse., Pac. Cst.

Liverwort, leaves, bls.....lb. .60 - .62
Lobelia, herb, bls.....lb. .83 - .84
Logwood, cryst., No. 1, bgs....lb. .28 - —
No. 2, bgs.....lb. .26 - —
extract, liquid, No. 1, bbls...lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23½- —
No. 2, bxs.....lb. .21½- —
Lovage root, dom., bls.....lb. .55 - .60
imported, bls.....lb. 4.50 - —
Lupulin, N.F., tins.....lb. 1.50 - 1.65
Lycopodium, cs.....lb. 7.50 - 8.00

M

Mace,[1] Banda, cs.....lb. .90 - .91
Siauw, No. 1, cs.....lb. .70 - .71
West Indian, cs.....lb. .70 - .71
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia, arsenate,[2] dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Magnesia, carbonate, tech., Zone 1, c.l., bgs.....lb. .06½- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06½- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .09 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Other points.....lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., works, c.l., ton.23.00 - —
l.c.l., bbls., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, med.., 200-lb. bbls., lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .32 - .35
Peroxide, 15%, dms., works..lb. 1.00 - 1.25
Silicate (see Talc).
Silicofluoride, bbls.....lb. .18 - .20
Stearate, bbls., ton lots.....lb. .31 - —
less than ton lots.....lb. .32 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms.....lb. .42 - —
cs., 500-lb. lots.....lb. .40 - —
100-lb. lots.....lb. .42 - —
5-lb. cns.....lb. .60 - —
Magnesite, cal., dom., bgs., pwd., f.o.b. mines, Calif..ton.56.75 - —
l.c.l., dlvd., N. Y.....ton.84.00 -90.00
dead-burned, dom.,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -40.50
Malva flowers, black, bls.....lb. 1.75 - 2.00
blue, bls.....lb. 2.25 - 2.50
Leaves, bls.....lb. .40 - .55
Manaca root, bls.....lb. .24 - .25
Mandrake root, bls.....lb. .18 - .19
Manganese acetate, dms.....lb. .26½- —
Arsenate,[2] bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .17
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.74.00 - —
5-15 tons, works.....ton.77.00 - —
¼, 4 tons, works.....ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works.. ton.71.75 - —
burlap bgs., c.l., works.. l.c.l., 5 tons, works....ton.74.75 - —
smaller lots, works..ton.79.75 - —
paper bgs., c.l., works....ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.05 - 3.14
100-lb. lots.....lb. 3.15 - 3.25
cns., 25 lbs.....lb. 3.27 - 3.36
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip. dms.....lb. .14½- .15½
Sulphate, anhyd., ton lots, works..lb. .11½- —
single dms., works.....lb. .11½- —
feed grade, 77-80%, c.l...lb. .05¾- —
l.c.l.....lb. .06½- —
fertiliser, 65%, MnSo₄, bgs., c.l., dlvd. eastern points, ton.50.50 - —
l.c.l., bgs., same basis or f.o.b. Balto. and Cincinnati..ton.66.50 - —
industrial grade, 80% MnSo₄, c.l..lb. .05 - —
l.c.l.....lb. .05½- —
Mangrove bark, if, and when, available, bgs.....ton.60.00 - —
Manna flake, large, cs.....lb. No stocks
small, cs.....lb. 3.40 - 3.45
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marjoram,[1] Chilean, bls.....lb. .44 - .45
in transit, bls.....lb. .43 - .44
French, bls.....lb. .84 - 1.15
Tunisian, bls.....lb. .60 - .65
Matico leaves, bls.....lb. .22 - .29
Menthol, natural, cs.....lb.13.50 -14.00
synthetic, USP, cs.....lb.13.00 - —
technical, 60-lb. cs.....lb. 6.00 - —
smaller lots.....lb. 6.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs..lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[2] (see Corrosive sublimate).
Bisulphate,[2] 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride[2] (see Calomel).
Cyanide,[2] cryst.....lb. 4.00 - 4.05
powd.....lb. 4.00 - 4.05
Iodide,[2] red, NF, 5-lb. bots..lb. 4.65 - 4.71
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.76 - 4.81
fib. dms., 100 lbs.....lb. 4.70 - —
Nitrate ointment (see Citrine ointment).
tech. (see Red, mercury oxide).
Oxide,[2] yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs. or more..lb. 3.88 - —
red,[2] NF (see Red precipitate).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.96 - —
25-lb. fib. dms.....lb. 1.90 - 1.92
Mesityl oxide, dms., c.l., dlvd.lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks.....lb. .10½- —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminums, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in.....pkg. 3.00 - —
gold XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine,[2] kgs....lb. .65 - —
Metatoluylenediamine,[2] kgs....lb. .70 - —
Methanol, natural,[1,3] producer group A, all grades, E. of Miss. R., dms., c.l..gal. .66 - —
l.c.l.....gal. .76 - —
tanks.....gal. .60 - —
Methanol prices W. of Miss. R. are 3c. per gal. higher.
pure, group B, tanks, frt. alld., Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
dms., c.l., Zone 1.....gal. .56½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic,[1,3] pure, dms., c.l., Zone 1, frt. alld..gal. .34½- —
2, frt. alld. or dlvd..gal. .36½- —
3, frt. alld.....gal. .38½- —
4, frt. alld.....gal. .40½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld.....gal. .42½- —
3, dlvd., S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd..gal. .52½- .56½
tanks, Zone 1, frt. alld..gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .32½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N.Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- .12
W. of Miss. R.....lb. .11½- .13
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - .14
W. of Miss. R.....lb. .12 - .13½
tanks, dlvd. E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. 10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .08 - .09
l.c.l., dlvd. E. of Miss. R.. lb. .07½- .11
dlvd W. of Miss. R..lb. .07½- .10½
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, dms., E. of Rockies, frt. alld., c.l..gal. .85 - —
l.c.l., same basis.....gal. .86 - —
tanks, same basis.....gal. .75 - —

Methyl acetone prices on Pacific Coast are 5c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Synthetic, tanks, Zone 1..gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —
dms., c.l., Zone 1.....gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —

Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - —
25-lb. lots, bots.....lb. 2.35 - —
Methyl bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Benzoate, cns., 25 lbs.....lb. .70 - 1.10
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

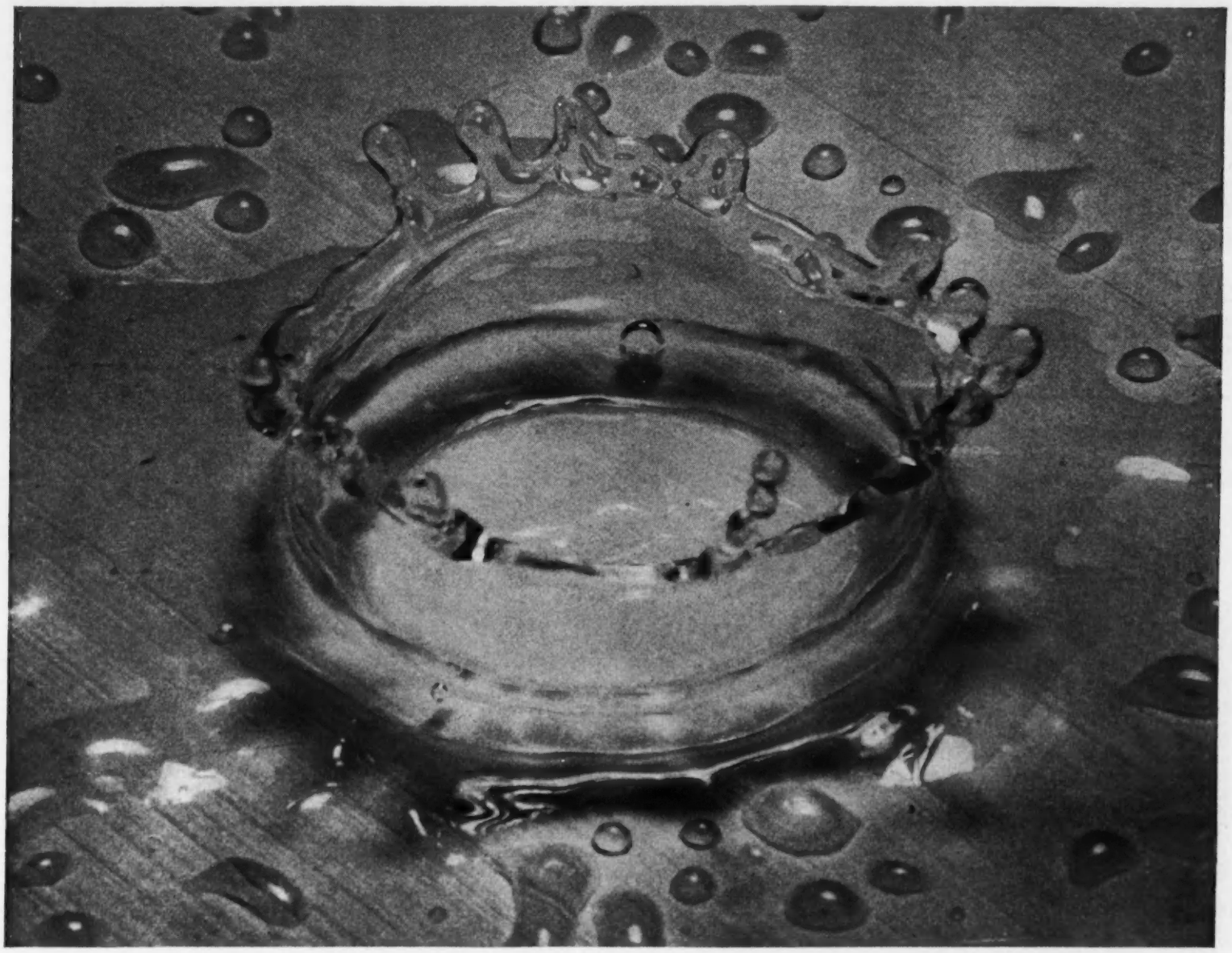
Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .80 - —
Lactate, dms., l.c.l., dlvd..lb. .70 - —
Iodide, bots.....lb. 4.00 - 4.15
cns.....lb. .37 - .40
Salicylate, dms.....lb. .35 - .37
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis. lb. .28 - —
Methylcellulose, specl, vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
std. vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld.lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 98-100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrigeration, dms., works..lb. .18 - .22
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone, dms., tech., frt. pd. E. of Rocky Mts..lb. .09 - —
l.c.l., same terms.....lb. .09½- —
tanks, same terms.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, dom., cryst., cns..lb. 3.00 - 3.10
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.18.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, c.l..ton.30.00 - —
l.c.l., 5,000 lbs.....ton.40.00 - —
1,000 lbs.....lb. .02 - —
500 lbs.....lb. .02½- —
100 lbs.....lb. .03 - —
refined, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.30.00 - —
paint, c.l.....ton.55.00 - —
l.c.l., 5,000 lbs.....ton.65.00 - —
white, No. 1 quality, c.l..ton.35.00 - —
l.c.l., 5,000 lbs.....ton.45.00 - —
1,000 lbs.....lb. .02½- —
500 lbs.....lb. .03 - —
roofing, c.l.....ton.29.00 - —
l.c.l., 5,000 lbs.....ton.39.00 - —
paint, c.l.....ton.60.00 - —
l.c.l., 5,000 lbs.....ton.70.00 - —
wet grd., paint or lacquer, c.l., lb. .04½- —
l.c.l.....lb. .05 - —
paper, wall, or coated, c.l.lb. .04½- —
l.c.l.....lb. .05 - —
rubber, c.l.....lb. .04½- —
l.c.l.....lb. .04¾- —
Biotite, c.l.....lb. .03¾- —
l.c.l.....lb. .04¼- —

Mica, dry grd., is quoted in bags at the works; wet grd. mica in car-load lots is frt. alld. E., and in less than car-load lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per pound higher west of the Mississippi.

Milk powder, skimmed, roller, bbls., c.l..lb. .14½- —
l.c.l.....lb. .15½- .16
spray, bbls., c.l.....lb. .15½- —
l.c.l.....lb. .16½- .17
whole, roller, bbls., c.l.....lb. .29 - —
l.c.l.....lb. .29½- —
spray, bbls., c.l.....lb. .30 - —
l.c.l.....lb. .30½- —
Milk sugar, bbls., c.l.....lb. .25 - —
l.c.l., 10 bbls. or over....lb. .26 - —
less than 10 bbls.....lb. .27 - —
Millet seed, yellow, bgs.....lb. .03¼- .03½
early fortune, bgs.....lb. .03¼- .03½
hulled, bgs.....lb. .07 - .12
Mineral spirits (see Petroleum thinners and V. M. & P. naphtha).
Molasses, blackstrap, tanks, f.o.b. works, Area 1..gal. .15 - —
Area 2, same basis....gal. .15½- —
Area 3, same basis....ton.20.00 - —
Area 4, same basis....ton.24.30 - —
Area 5, same basis....ton.33.30 - —

Note—Area No. 1 is La., Fla., Tex. and Ga. Area No. 2 is N.Y., Penn., Md., Mass. and N.J. Area No. 3 is Ore., Wash. and Calif. Area No. 4 is Id., Utah, Mont., Colo., Wyo., Kan., S.D. and Neb., excluding Grand Island. Area No. 5 is Ind., Mich., Ohio, Wis., Minn., Ia. and Grand Island, Neb.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[2] kgs., 99%, powd..lb. 2.60 - 3.00
trioxide,[2] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks.....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monochlorobenzene, dms., c.l..lb. .05½- —
55 gals.....lb. .07 - —
10 gals.....lb. .08 - —
5 gals.....lb. .09 - —
tanks.....lb. .05 - —
Monoethylanilin, dms.....lb. .47 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromide, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots., oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
flowers, cns.....lb. 1.75 - 2.10
Musk, nat., Tonquin, grains, bots., oz.37.00 -39.00
synth, ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more..lb. 1.40 - 2.50
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.30
Mustard seed, California, brown, good, bgs..lb. .15 - .15½
yellow, bgs.....lb. .08 - .08½
Montana, yellow, bgs.....lb. .06 - .06½
Roumanian, yellow.....lb. .05½- .06
Washington, yellow, bgs.....lb. .06 - .06½
Myrobalans, J1, bgs., f.a.s..ton.75.00 Nom.
J2, bgs., f.a.s.....ton.70.00 Nom.
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. No prices



Ultra high speed, stroboscopic photograph showing jewelled crown effect produced by drop of water striking a paint film. (Photo by Gjon Mili, 1/30,000 sec., mag. 7X.)

GIVING DRYING A BOOST

Raindrops make a fascinating photograph, but from the paint standpoint do not always leave a pretty picture. Particularly is this true in the case of paint films which dry like a half-baked cake—firm and hard on the top-side, but soft underneath.

Today many paint makers use basic carbonate white lead to guard against faulty drying. White lead "boosts" the drying action...helps films harden evenly *all the way through.*

Through-drying paints make better, more solid undercoats. As top coats, their appearance is less easily marred by dirt, insects or sudden rain during the drying period.

Improved drying is but one of several desirable qualities white lead adds to your paint.

Others are better adhesion, greater ease in brushing, more satisfactory leveling and flow—plus white lead's proved durability.

Below are described the five Dutch Boy Basic Carbonate White Leads. They range from a low oil absorption type to one with extra-high hiding and paint thickening power. Among them there is a lead exactly suited to every need.

DUTCH BOY *Basic Carbonate* **WHITE LEADS**

111—*Extra-high hiding and paint consistency.* **333**—*High hiding and paint consistency, but less than 111.* **H.T.S.**—*Medium-high hiding and paint consistency.* **Carter**—*Medium-low oil absorption white lead, made by the Carter Process.* **Dutch**—*Low oil absorption white lead, made by the Dutch Process.*

NATIONAL LEAD COMPANY: 111 Broadway, New York; 116 Oak Street, Buffalo; 900 West 18th Street, Chicago; 659 Freeman Avenue, Cincinnati; 1213 West Third Street, Cleveland; 722 Chestnut Street, St. Louis; 2240 24th Street, San Francisco; National-Boston Lead Company, 800 Albany Street, Boston; National Lead & Oil Co. of Pennsylvania, 1376 River Avenue, Pittsburgh; John T. Lewis & Bros. Company, Widener Building, Philadelphia.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude,[6] dom., 74 deg., tanks, works..100 lbs. 2.75 - —
78 deg., tanks, works..100 lbs. 3.00 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..100 lbs. .08 - —
50-lb. cs., same basis....lb. .08¼- —
pkgs. (16-oz.), same basis.lb. .08¼- —
(12-oz.), same basis...pkg. .07 - —
Neocinchophen, USP., 100-lb. lots, dms..lb. 7.00 - —
50-lb. lots.....lb. 7.05 - —
25-lb. lots.....lb. 7.10 - —
Nerolin, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[6] carbonate, bbls.....lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide,[6] black, bbls.....lb. .35 - .38
Salt,[6] bbls.....lb. .13 - 13½
Nicotine,[2] sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½- —
Niger seed, bgs.....lb. .15 - .15¼
Nikethamide, 25 lbs. or more, bots..lb.18.00 - —
under 25-lb. lots, bots.....lb.19.00 - —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, ester-soluble,[6] 30-35, ¼, ½ sec., bbls., dry weight, l.c.l., works..lb. .26 - —
5-6, 15-20 sec. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, dms., l.c.l., works.lb. .25 - —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis..unit-tcn. 3.00 Nom.
Chemical, Ill., Nov.-Dec. shipments..unit-ton. 2.90 - —
Norfolk, Va.....unit-ton. No prices
Nitromethane, lms., l.c.l., wks.lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .28
Nitropropane I, dms., l.c.l., works, lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. No prices
Chinese, whole.....lb. .43 Nom.
Extract (see Gall extract).
Nutmegs,[1] E. I., bgs., cs.....lb. .42 - 45
West Indian, bgs.....lb. .38 - .39
Nux vomica, bls.....lb. .09 - .11
powd., bbls., bxs.....lb. .12 - .16

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .0385- —
tanks .....lb. .0325- —
Ocher (see Yellow)
Octane,[1] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
natural, USP, bots.....lb. No stocks
sweet, true, exp., dms., cns., lb. 1.75 - 2.00
Amber, crude, cns.....lb. No stocks
refd., cns.....lb. .52 - —
Angelica, root, bots.....lb.140.00 - —
seed, bots.....lb.120.00 -140.00
Anilin (see A).
Anise, USP, cns., dms.....lb. 2.75 - 3.25
Apricot, kernel, cns.....lb. .40 - .55
Avocado, cns., dms.....lb. 1.00 - 1.25
Babassu,[1,5] tanks.....lb. .1110- —
Bay, W. I., 50-55% phenols, cns..lb. 1.55 - 1.85
Porto Rican, 55-60% phenols, cns..lb. 1.80 - 1.90
Bergamot, artif., cns.....lb. 2.25 - 6.50
natural, coppers.....lb.32.00 -35.00
Birch (see Oil, sweet, birch).
Birch tar, crude, cns.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de Rose, Brazil, cns....lb. 4.40 - 4.50
Mexican (see Linaloe, wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 2.00 - 2.05
free from metal, cns.....lb. 2.05 - 2.10
redistilled, cns.....lb. 2.20 - 2.30
Calamus, cns.....lb. No stocks
Oil, camphor, sassafrassy, cns..lb. .45 - .46
dms. .....lb. No prices.
white, cans .....lb. .48 - —
dms. .....lb. No prices.
Cananga, native, cns.....lb.15.00 -16.00
rectified, cns.....lb.17.50 -18.00
Capsicum (oleoresin), USP VIII, cns..lb. 3.75 - 4.75
Caraway, USP, cns.....lb.15.50 -17.50
Cardamom, bots. .....lb.25.00 -34.00
Cassia, USP, cns.....lb.10.25 -11.00
Castor,[1,6] blown, dms., returnable, c.l..lb. .15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., c.l., lb. .14 - —
l.c.l. .....lb. .14½- —
cns. (1-gal.), l.c.l.....lb. .17¾- —
cns. (1-gal.), l.c.l.....lb. .15¾- —
dms. (returnable), c.l...lb. .13¾- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehydrated, dms. .....lb. .1860- —
l.c.l. .....lb. .1900- —
extracted, No. 3, tech., bbls., c.l..lb. .13¾- —
l.c.l. .....lb. .14½- —
dms. (returnable), c.l....lb. .13½- —
l.c.l. .....lb. .14½- —
tanks .....lb. .12¾- —
sulphonated, 50% (43% fat), dms., c.l..lb. .10 - —
l.c.l. .....lb. .11 - —
75% (63% fat), dms., c.l..lb. .12¼- —
l.c.l. .....lb. .13¼- —
80% (68% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13¼- —
Cedarleaf, USP, cns.....lb. 1.15 - 1.35
technical, cns.....lb. .75 - 1.10
Cedarwood, Southern, dms...lb. .65 - .85
Celery, bots.....lb.25.00 -30.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood,[1,5] dms.....lb. .39 - —
tanks .....lb. .3875- —
Cinnamon, bark oil, bots....lb. No prices
leaf oil, dms.....lb. 2.25 - —
Citronella, Ceylon, cns.....lb. 1.10 - 1.25
Java, cns.....lb. No prices
Clove, makers, USP, cns.....lb. 1.70 - 1.75
Coconut,[1,5] Manila, crude, bulk, c.i.f..lb. .0835- —
edible, ex tax.....lb. .0985- —
Cod,[5] Newf., dms.....gal. .90 - —
tanks .....gal. .85 - —
Codliver,[5] med., USP, 30-gal. bbls. or dms..bbl.80.00 -88.00
Coriander, bots.....lb.23.00 -35.00
Corn,[1,5] crude, tanks, works.lb. .12¾- —
refd., bbls.....lb. .15½ Nom.
Cottonseed,[6] cooking, bbls....lb. .16¾- —
salad, bbls.....lb. .17 - —
Creosote (see C).
Croton, NF, cns.....lb. 3.10 - —
Cubeb, USP, cns.....lb. 4.50 - 6.00
Crude (see Petroleum, crude)
Cumin, bots.....lb.10.00 -12.00
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dillseed, bots.....lb. 6.25 - 8.00
weed, bots.....lb. 5.85 - 6.25
Dip (see D).
Erigeron, cns.....lb. 2.10 - 3.85
Eucalyptus, cns.....lb. .99 - 1.06
dms. .....lb. .95 - 1.02
Fennel, sweet, cns.....lb. 4.20 - 4.50
Fishliver,[1,5] 6,000 to under 60,000 units per gram—per million unit. .14 - —
60,000 to under 200,000 units per gram—per million units. .20 - —
200,000 or more units per gram—per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen leaf)
Geranium, Algerian, rose, cns. lb.16.50 -18.00
Bourbon, cns.....lb.18.00 -20.00
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.90 - 2.00
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .20 - .25
Ginger, dist., bots.....lb.20.50 -24.00
Guaiac wood, concrete, bots.lb. 4.50 - 4.75
Hemlock, cns.....lb. .95 - 1.10
Juniper berry, cns.....lb.12.00 -18.00
wood, tech., cns.....lb. 1.50 - 1.55
Juniper, tar, USP XI, dms..lb. 1.15 - 1.20
Lard,[6] common, 1, bbls.....lb. 14¾- —
extra, No. 1, bbls.....lb. 14¾- —
winter, strained, bbls.....lb. .15½- —
prime, burning, bbls.....lb. .16 - —
prime, tned., bbls.....lb. .15¾- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. 5.75 - 7.00
Lavender, flower, French, cns. lb. 8.50 -12.00
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 4.25 - 6.85
dms. .....lb. 4.15 - 6.75
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns..... No stocks
Terpeneless, Type 1.....lb.11.75 -15.00
Type 2.....lb. 9.50 -13.00
Uruguay, 10 kilo cans.....lb. 5.50 - 5.75
Lemongrass, cns., dms.....lb. 1.45 - 1.85
Lime, dist., Mex., cns.....lb. 7.25 - 7.75
Jamaica, cns.....lb. 9.00 - 9.25
expressed, Jamaica, cns....lb.12.50 -13.50
Lignaloe, wood, Mexican, cns. lb. 4.00 - 4.25
Brazilian (see Bois de rose).
Linseed, raw, dms., c.l.....lb. .1310- .1330
l.c.l., 10 or more.....lb. .1330- .1350
5 to 9.....lb. .1370- .1390
less than 5.....lb. .1390- .1410
tanks .....lb. .1220- .1240
Less .005c. per lb. for linseed oil drum shipments, plus $6 deposit per drum.
Boiled linseed oil, .004 over raw.
Lubricating,[1] at refinery, ex tax, California, neutrals, pale, 200-600 vis., 2¼-4, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11½
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks, gal. .22½- .23
neutral, 150-300 vis., 3, 0-10 pour, tanks..gal. .14½- .18
200-280 vis., 3, 15-25 pour, tanks..gal. .15 - .17½
Pennsylvania,[3] bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks, gal. .24 - .30
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam ref'd, tanks..gal. .15 - .15½
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks, gal. .22 - .24
290 vis., 0-15 pour, tanks, gal. .24 - .26
Mace, dist., cns., dms.....lb. 4.75 Nom.
Mandarin, Brazilian, cns.....lb. 9.00 -10.00
Italian, coppers.....lb.15.00 Nom.
Menhaden,[1,5] crude, tanks, Balto..lb. .0680- —
ref'd, alkali, ret. dms.....lb. .1270- .1290
kettle-bodied, ret. dms....lb. .1370- .1390
light-pressed, ret. dms...lb. .1170- .1190
tanks .....lb. .1090- .1100
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns..lb. 1.60 - 1.70

Exchange

OIL OF LEMON
U.S.P.

Forecast...

SUPPLY — Adequate for all normal uses

QUALITY — Unexcelled

PRICES — Fair at all times

Exchange Oil of Lemon is made by the world's largest group of Lemon Growers

NOW OUTSELLS
ALL OTHER BRANDS COMBINED
4 TO 1

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Producing Plant: Exchange Lemon Products Co., Corona, California

Oil, mustard seed,[5] exp., dms.	lb.	.15 - —
Neatsfoot,[6] pure, bbls.	lb.	.18½- —
Neroli, bots.	lb.	300.00-375.00
Nutmeg, dist., cns., dms.	lb.	4.75 Nom.
Officica,[1,5] liquid, dms.	lb.	.25 - —
solid, dms.	lb.	.28 - —
Oleo,[6] 1, bbls.	lb.	.13¼- —
2, bbls.	lb.	.13 - —
Olibanum, bots.	lb.	4.50 - —
Olive,[6] denat., dms.	gal.	3.50 - 4.00
edible, Calif., dms.	gal.	4.00 - 4.25
imported, dms.	gal.	4.25 - 4.50
foots, dms.	lb.	.19 Nom.
sulphonated, 50% (40% fat), dms. c.l.	lb.	No prices
l.c.l.	lb.	No prices
35% (68% fat), dms., c.l.	lb.	No prices
l.c.l	lb.	No prices
80% (68% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
Orange, sweet, dist., cs.	lb.	1.00 - —
expressed, Calif., cns.	lb.	2.25 - —
Argentine, 10-kilo cns.	lb.	3.00 - 3.25
Brazilian, cns.	lb.	1.45 - 1.65
Florida, cns., dms.	lb.	1.50 - 1.55
Messina, USP, coppers	lb.	No stocks
Mexican, sponge-pressed, cns.,	lb.	5.50 - 5.75
West Indian, cns.	lb.	6.00 - 6.25
terpeneless	lb.	35.00 -175.00
Origanum, Spanish, cs.	lb.	2.70 - 3.25
Palmarosa, cns.	lb.	5.50 - —
Palm,[1,6] Niger, bulk, c.i.f.	lb.	.0825- —
Paraffin,[1] 320° flash, 60-70 vis., tanks, G.S.	gal.	.05¼- —
350° flash, 70-80@100 vis., 0/10 pour	gal.	.06 - —
100-100 vis., 0/10 pour	gal.	.06¼- —
100-100 vis., 10/25 pour	gal.	.06¼- —
66-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
100-105 vis., bbls., extra, Ind. refy.	gal.	.14 - —
300[1] flash, 100-110 vis., tanks, G.S.	gal.	.05¾- —
Patchouli, cns.	lb.	7.10 - 8.50
Peanut,[1,6] crude, tanks, mill.	lb.	.13 - —
refd., edible, bbls.	lb.	.17 Nom.
Pennyroyal, dom., cns.	lb.	3.00 - 3.10
import, cns.	lb.	2.50 - 2.90
Peppermint, natural, cns., dms.	lb.	5.50 - 5.75
redist., USP, cns., dms.	lb.	5.85 - 6.00
Perilla,[1,6] crude, dms.	lb.	.2450- —
Petitgrain, Paraguay, cns.	lb.	1.80 - 2.05
dms.	lb.	1.75 - 2.00
Pimento berry, cns.	lb.	8.00 - 8.75
leaf, cns.	lb.	5.25 - —
Pine, tanks, works	gal.	.55 - —
Pineneedle, Siberian, cns.	lb.	3.00 - 3.25
Putty,[2] bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	*.34 - —
dms., c.l., Boston, Providence.	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martines, Cal.	gal.	.28 - —

* Extra for bbls. but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1,6] denat., tanks, blown, dms.	lb.	.1150- —
Red,[6] dms., dlvd	lb.	.18 - 18½
tanks, dlvd.	lb.	.11¾- .12¾
Rose, natural, coppers	oz.	.11 - —
Rosemary, Spanish, cns.	lb.	30.00 -35.00
dms.	lb.	1.65 - 1.90
Rosin, 1st rectified, dms.	gal.	1.75 - 1.80
2d rectified, dms.	gal.	.57 - —
3d rectified, dms.	gal.	.59 - —
Rue, bots.	lb.	.63 - —
Sage, Spanish, cns.	lb.	8.25 - 8.50
Sandalwood, domestic, distilled, NF, cns.	lb.	3.50 - 3.75
Mysore, cns., case lots	lb.	6.00 - 6.10
Sardine, crude,[1,6] tanks, Pac. Coast.	lb.	7.00 - 7.25
ref'd, alkali, ret. dms.	lb.	.0890- —
kettle-bodied, ret. dms.	lb.	.1270- .1290
light-pressed, ret. dms.	lb.	.1370- .1390
tanks	lb.	.1170- .1190
Sassafras, artif., cns.	lb.	.1090- .1100
natural, dom., cns., dms.	lb.	2.00 - 2.25
Savin, cns.	lb.	2.00 - 2.40
Savory, cns.	lb.	16.00 - —
Sesame, tanks, Coast	lb.	No stock
Shingle stain, bbls., c.l., works.	gal.	.15 Nom.
l.c.l., works	gal.	.19 - —
tanks, works	gal.	.20 - —
Snakeroot, Canada, cns.	lb.	.14 - —
Soybean,[2] dom., crude, dms.	lb.	12.50 -12.75
tanks	lb.	.13 Nom.
refd., dms.	lb.	.12½ Nom.
tanks	lb.	.14½ Nom.
Spearmint, dms.	lb.	.13½ Nom.
Sperm,[6] bleach, 38°, dms.	lb.	2.95 - 3.25
45°, dms.	lb.	.1301- —
natural, dms.	lb.	.1278- —
Spruce, cns., dms.	lb.	.1223- —
Sunflower,[1,6] tanks	lb.	1.30 - 1.35
Sweet birch, North, cns.	lb.	.1430- —
South, cns.	lb.	5.00 - 5.65
Tall, crude, dms., c.l., works,	ton.	3.25 - 4.75
l.c.l., works	ton.	55.00 - —
tanks, works	ton.	60.00 -65.00
refined, dms., c.l., works	lb.	40.00 - —
l.c.l., works	lb.	.05 - —
tanks, works	lb.	.05½- —
Tallow,[6] acidless, bbls.	lb.	.04½- —
tanks	lb.	.14½- —
Tansy, cns.	lb.	.13¾- —
Tar, pine, com'l, dms., c.l., dlvd. E. cities	gal.	3.00 - 3.10
l.c.l., E. cities	gal.	.33 - —
tanks, dlvd. E. cities	gal.	.30 - —
rectified, USP, bbls., l.c.l., dlvd. E. cities	gal.	.24¼- —
Tar acid (see T).		.60 - —
Teaseed,[1] crude, dms.	lb.	.29 Nom.
refd., dms.	lb.	.32 Nom.
Thyme, NF, red, cns.	lb.	2.60 - 3.50
white, cns.	lb.	2.85 - 4.00
Tung (see Oil, chinawood)		
Turkey, red (see Oil, castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	8.50 - —
Vetiver, Java, bots.	lb.	37.50 -40.00
Whale, ref., natural, dms.	lb.	.1070- —
Winter, bleach, dms.	lb.	.1110- —
Wheat germ, 100-gal. dms., dlvd.	gal.	10.00 - —
25-gal. dms.	gal.	12.50 - —
10-gal. dms.	gal.	13.50 - —
5-gal. dms.	gal.	14.00 - —
1-gal. dms.	gal.	15.00 - —
White, mineral, dom., f.o.b. N. Y., tech., 50-65 vis., returnable dms., c.l.	gal.	.36 -
l.c.l.	gal.	.42 - .45
65/75 vis., c.l.	gal.	.36 - —
l.c.l.	gal.	.42 - .45
USP, 80/90 vis., dms., c.l.	gal.	.39 - —
l.c.l.	gal.	.45 - .48
95/105 vis., dms., c.l.,	gal.	.44½- —
l.c.l.	gal.	.50½- .53½

Oil, white, mineral, dom., f.o.b. N. Y., USP, 125/135 vis., dms., c.l.	gal.	.49 - —
l.c.l.	gal.	.55 - .58
145/155 vis., dms., c.l.,	gal.	.51 - —
l.c.l.	gal.	.57 - .60
175/185 vis., c.l.	gal.	.54½- —
l.c.l.	gal.	.60½- .63½
200/210 vis., c.l.	gal.	.58 - —
l.c.l.	gal.	.64 - .67
320/330 vis., c.l.	gal.	.65 - —
l.c.l.	gal.	.71 - .74
335/345 vis., c.l.	gal.	.66 - —
l.c.l.	gal.	.72 - .75
f.o.b. San Francisco, USP, 55 vis., returnable bbls., c.l.	gal.	.40 - —
5 bbls.	gal.	.45 - —
85 vis., c.l.	gal.	.40 - —
5 bbls.	gal.	.45 - —
100 vis., c.l.	gal.	.49½- —
5 bbls.	gal.	.54½- —
145 vis., c.l.	gal.	.57 - —
5 bbls.	gal.	.62 - —
180 vis., c.l.	gal.	.60½- —
5 bbls.	gal.	.65½- —
340 vis., c.l.	gal.	.72 - —
5 bbls.	gal.	.77 - —
Russian	gal.	No prices
Wintergreen, natural North, cns.	lb.	5.50 - 7.00
South, cns.	lb.	4.00 - 5.25
synth. (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	2.75 - 2.85
Wormwood, cns.	lb.	4.35 - 5.50
Ylang-ylang, Bourb., bots., cns.,	lb.	No stocks
Manila, bots.	lb.	45.00 - —

Olivine, aggregate, c.l., mines,	ton.	7.00 -11.00
Lumps, same basis	ton.	7.00 - —
Spalls, same basis	ton.	5.00 - —
crushed, 8 mesh, bulk, c.l., works	ton.	8.00 - —
paper bgs., c.l., works	ton.	9.50 - —
325 mesh, c.l., mines	ton.	20.00 - —
200 mesh, c.l., mines	ton.	17.00 - —
100 mesh, c.l., mines	ton.	15.00 - —
20 mesh to dust	ton.	12.00 - —
Opium gum, USP, 50-lb. lots, cns.	lb.	13.00 - —
25-lb. lots, cns.	lb.	13.25 - —
5-lb. lots, cns.	lb.	13.50 - —
1-lb. lots, cns.	lb.	13.65 - —

Prices on powd. and gran. USP opium are $1.50 per pound higher.

Orange, Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.12¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.12¾- —
Colo., Mont., N.M., Wyo.,	lb.	.13½- —
dlvd. other points	lb.	.12 - —
smaller lots, dlvd., Ala., etc.,	lb.	.12¾- —
Ariz., etc.	lb.	.13¼- —
Colo., Mont., N.M., Wyo.,	lb.	.13 - —
French, Tours, casks, ex dock,	lb.	No prices
kgs., ex dock	lb.	No prices
Molybdate,[6] bbls.	lb.	.51 - —
Toner, bbls.	lb.	.80 - 1.05

Orangeflower petals, cs.	lb.	.45 - .75
Orange peel, bitter, bbls.	lb.	.30 - .31
sweet, bls.	lb.	.15 - .17
Haitian, bgs.	lb.	.09 - .10
Oregano, Mexican, bgs.	lb.	.15¾- .16¼
Orris root, whole	lb.	1.35 - 1.40
powd., bbls., bxs.	lb.	1.45 - 1.80
Orthoamylphenol, c.l., dms., works.	lb.	.25 - —
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloroanilin, dms.	lb.	60 - .70
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol,[6] 30.4°C. Min. M. P., dms., c.l., works.	lb.	.17½- .18
l.c.l., same basis	lb.	.18 - .18½
Orthocresol, 29° Min. M. P., dms., c.l., works.	lb.	.16½- .17
l.c.l., same basis	lb.	.17 - 17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.06 - .07½
l.c.l., same basis	lb.	.07 - .08½
100-lb. tins, same basis	lb.	.08 - .09
50-lb. tins, same basis	lb.	.09 - .10
tanks, same basis	lb.	.05½- .06½
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.		
Orthonitroanilin, dms.	lb.	.45 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .16
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.82 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange, crystals, bgs.	lb.	.23 - —
extract, bbls., No. 1	lb.	.11 - —
No. 2	lb.	.10 - —
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	3.50 - —
bots., cns., 1-50 lbs.	lb.	3.75 - 4.15

New Synthetic Gum Jellies with COLLORESIN

A Water Soluble Methyl Cellulose

Dimethyl Ether of Cellulose, a white fibrous solid which dissolves in water.

Resistant to the action of alkalies and dilute acids giving a clear colorless solution.

Colloresin is of interest to the manufacturer of cosmetics and pharmaceuticals as a replacement for natural gums and in the manufacture of Liquid Dentifrices, Tooth Pastes, Creams, Soapless Shampoos, Hair Grooms, Wave Sets, Brushless Shaving Creams, etc. Tentative formulas for the above are available as well as instructions as to methods of its employment.

Available in seven viscosities.

GL 4C

Non Toxic Emulsifying, Detergent, Foaming, Wetting Agent

A protein - amino acid condensate exceptionally fine for liquid Dentifrices, Soapless Shampoos, Brushless Shaving Creams, etc.

GL 4C may be readily used with Colloresin in the manufacture of these products.

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Aromatics Division

GENERAL DRUG COMPANY

644 Pacific St., Brooklyn, N. Y.

9 S. CLINTON STREET, CHICAGO 1019 ELLIOTT STREET, W., WINDSOR, ONT.

P

Papain, powd., cs.	lb.	4.00 - 4.25
Paprika,[1] Portuguese, extra fancy, bgs.	lb.	.38 - .38½
good, bgs.	lb.	.37½ - .38
Spanish, extra fancy, cs.	lb.	.52 - .53
good, bgs.	lb.	.43 - 44
medium, cs.	lb.	.48 - .49
Parachlorophenol, dms.	lb.	.32 - —
Paracymene, refd., dms.	ga.	.75 - 1.25
Paradichlorobenzene, dms., c.l.lb.		.11 - .13
l.c.l.	lb.	.12½- .15
Paraffin,[1] crude scale and semi-refined, 122-124 A.M.P., slack bbls. or solid in 100-kilo bgs., 10,000 lbs., f.o.b. refinery.	lb.	.04¼- —
124-126 A.M.P., same basis.	lb.	.04½- —
126-128 A.M.P., same basis.	lb.	.04¾- —
128-130 A.M.P., same basis.	lb.	.04¾- —
130-132 A.M.P., same basis.	lb.	.05 - —
132-134 A.M.P., same basis.	lb.	.05¼- —
134-136 A.M.P., same basis.	lb.	.05½- —
fully refined, 120-122 A.M.P., bbls., slabs, loose, same basis.	lb.	.05 - —
122-125 A.M.P., slabs, loose, same basis.	lb.	.0620- —
120-122 A.M.P., slabs, loose, same basis.	lb.	.0520- —
128-130 A.M.P., slabs, loose, same basis.	lb.	.0560- —
130-132 A.M.P., slabs, loose, same basis.	lb.	.0585- —
131-133 A.M.P., slabs, loose, same basis.	lb.	.0585- —
133-135 A.M.P., slabs, loose, same basis.	lb.	.0615- —
135-137 A.M.P., slabs, loose, same basis.	lb.	.0640- —
Paraffin, fully refined:— 135-137 A.M.P., slabs, loose, same basis.	lb.	.0715- —
141-143 A.M.P., slabs, loose, same basis.	lb.	.0765- —
143-145 A.M.P., slabs, loose, same basis.	lb.	.0810- —
145-150 A.M.P., slabs, cartons, same basis.	lb.	.0860- —
146-148 A.M.P., slabs, loose, same basis.	lb.	.0930- —
149-151 A.M.P., slabs, loose, same basis.	lb.	.10¼- —
160-165 A.M.P., f.o.b. refinery, San Francisco, c.l.	lb.	.14 - —

Paraffin wax, crude and semi-refined, packed in 50-kilo bgs., is 10 points per lb. higher; prices on slabbed material are 20 points per lb. higher than on solid. Tankcar prices are 30 points less than barrel prices. Fully refined wax in bags is 40 points higher than slabs loose; fully refined wax in tankcars is 5 points lower than slabs loose prices.

Paraformaldehyde,[3,5] dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy Philadelphia, or N.Y.C.	lb.	.23 - —
100 to 900 lbs., shipments, same basis.	lb.	.24 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paraldehyde, tech., 88%, 55 and 110-gal. dms., l.c.l., works.	lb.	.12 - —
5 and 10-gal. dms., works.	lb.	.15 - —
USP. cns., cbys.	lb.	.37 - .45
Paranisidine, ums.	lb.	.75 - —
Paranitroaniline, kgs., works.	lb.	.45 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrotoluene, kgs.	lb.	.30 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.45 - —
Pareira brava root, bls.	lb.	.21 - .22
Paris green, dealer, dms., kegs, c.l., f.o.b. wks., frt. alld.	lb.	.24 - .26
l.c.l., same basis.	lb.	.25 - .27
Passion flower, herb, bls.	lb.	.07 - .08
Patchouli leaves, bls.	lb.	.35 - .40
Peanut meal, 45-47% protein, Southern Alabama-Georgia mills, February delivery.	ton.	35.00 - —
48-50%, same basis.	ton.	37.00 - —
51% or more, same basis.	ton.	39.00 - —
Pectin, 200-lb. bbls.	lb.	.80 - —
Peltitory root, bls.	lb.	.65 - .70
Pennyroyal leaves, bls.	lb.	.15 - .16
Pentachlorophenol, dms., works.	lb	.20 - .25
Pentaerythritol, C.P., bbls., dlvd.,	lb.	.75 - —
less than barrel lots.	lb.	1.00 - —
tech., bbls., dlvd.	lb.	.32½- .33½
less than barrel lots.	lb.	.40 - —
Tetra acetate, bbls., dlvd.	lb.	1.00 - —
less than barrel lots.	lb.	1.50 - —
Pentanes,[1] 28°38° C., industrial grade, dms., c.l., G.3,	gal.	.11 - —
l.c.l., G.3.	gal.	.19 - —
tanks, G.3	gal.	.06½- .07½
laboratory grade, dms., c.l., G.3.	gal.	.16 - —
l.c.l., G.3.	gal.	.29 - —
10 gal., G.3.	gal.	.55 - —
Pepper, black,[1] 15 tons, bgs.	lb.	.0670- .0675
50 to 100 bgs.	lb.	.0695- .0700
White,[1] 15 tons, bgs.	lb.	.11½ Nom.
24 bgs.	lb.	.1295- .1305
red, chillies, dom., fair Hontaka type, bgs.	lb.	.40 - .42
Carolina, bgs.	lb.	.13½- .19
Mombassa, bgs.	lb.	.22 - .24
Sierra Leone, bgs.	lb.	.22½- .23
Peppermint leaves, dom., bls.	lb.	.40 - .45
import, bls.	lb.	.94 - 1.10
Perchlorethylene,[3] dms., c.l., works, frt. alld., zone 1,	lb.	.06 - —
l.c.l., same basis.	lb.	.06½- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.06½- —
l.c.l., same basis.	lb.	.09 - —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis.	lb.	.09½- —
Zone 4, dms., c.l., f.o.b. stock point	lb.	.09 - —
l.c.l., same basis.	lb.	.09½- —

All prices on perchloroethylene are frt. alld. with the exception of Zone 4, in which case the price indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md. N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru balsam, dms.	lb.	1.35 - 1.40
Petrolatum, USP XII, amber, fiber dms., non-returnable, c.l., f.o.b. New York.	lb.	.03¾- —
l.c.l., same basis.	lb.	.04¾- —
extra amber, c.l., same basis,	lb.	.03¾- —
l.c.l., same basis.	lb.	.04¾- —
cream, c.l., same basis.	lb.	.04¾- —
l.c.l., same basis.	lb.	.06¼- —
yellow, soft, c.l., same basis,	lb.	.03¾- —
l.c.l., same basis.	lb.	.04¾- —
White, USP XII, lily, c.l., same basis.	lb.	.05½- —
l.c.l., same basis.	lb.	.07 - —
snow, c.l., same basis.	lb.	.06¼- —
l.c.l., same basis.	lb.	.07¾- —
snow, soft, c.l., same basis,	lb.	.05¼- —
l.c.l., same basis.	lb.	.06¼- —
Dark, bbls., returnable, c.l., Group 3.	lb.	.021 - —
l.c.l., same basis.	lb.	.025 - —
Golden topaz, c.l., same basis,	lb.	.032 - —
l.c.l., same basis.	lb.	.036 - —
Red veterinarian, c.l., same basis.	lb.	.024 - —
l.c.l., same basis.	lb.	.028 - —
Petroleum, crude, bulk, at wells, Arkansas, Smackover, heavy	bbl.	83 - —
California, gravity 18-18.9 and below.	bbl.	.80 - —
30-30.9 and above.	bbl.	1.23 - —
Illinois basin.	bbl.	1.37 - —
Louisiana	bbl.	.80 - 1.48
Oklahoma-Kansas, gravity 20-20.9 and below.	bbl.	.75 - —
40 and above.	bbl.	1.25 - —
Pennsylvania, Bradford-Allegany.	bbl.	3.00 - —
Buckeye lines.	bbl.	2.55 - —
Corning	bbl.	1.31 - —
Eureka lines.	bbl.	2.59 - —
N.Y. Transit lines.	bbl.	3.00 - —
National Transit lines,	bbl.	3.00 - —
S.W. Penn. lines.	bbl.	2.65 - —
Texas, Conroe.	bbl.	1.43 - —
East	bbl.	1.25 - —
Gulf Coast, gravity 19-19.9 and below.	bbl.	1.06 - —
40 and above.	bbl.	1.48 - —
Pecos County.	bbl.	.95 - —
West (and Lea County, N. M.), gravity 19-19.9 and below.	bbl.	.70 - —
40 and above.	bbl.	1.12 - —
Wyoming, Lance Creek.	bbl.	1.12 - —
Ether, laboratory grade, 30-60°C., c.l.	lb.	.18 - —
l.c.l.	gal.	.29 - —
10 gals.	gal.	.55 - —
35-60°C., l.c.l.	gal.	.29 - —
10 gals.	gal.	.55 - —
40-75°C., c.l.	gal.	.16 - —
l.c.l.	gal.	.29 - —
10 gals.	gal.	.55 - —

Petroleum ether prices are spot quotations f.o.b. Group 3, for material packed in drums.

Fuel oil, at refinery:— Oklahoma, No. 3, tanks.	gal.	.03½- —
No. 6.	bbl.	.80 - .90
14-16	bbl.	.95 - —
Group 3, No. 3, tanks.	gal.	.03½- —
No. 5.	bbl.	.85 - —
No. 6.	bbl.	.80 - .85
Kansas, No. 6.	bbl.	.90 - —
Arkansas, No. 3, tanks.	gal.	.03½- —
Pennsylvania, No. 1, tanks,	gal.	.05½- .07¾
No. 2.	gal.	.05½- .07¾
No. 3.	gal.	.05½- .07¾
California, heavy	bbl.	.80 - .85
light	bbl.	.85 - .95
diesel, tanks.	gal.	.03 - .054
stove, dist., tank.	gal.	.03 - .05½
No. 1, tanks.	gal.	.04 - —
No. 2, tanks.	gal.	.03½- —
No. 3, tanks.	gal.	.03½- —
Lacquer diluent, at refinery:— California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles,	gal.	.11 - —
Fort Welles, Wash.	gal.	.12 - —
San Francisco.	gal.	.11½- —
Wilmbridge, Ore.	gal.	.12 - —
East Coast, N. Y., tanks,	gal.	.11 - —
N. J., tanks.	gal.	.11½- —
Group 3, benzol type, tankcars.	gal.	.07½- —
toluol type, tanks.	gal.	.07¾- .07½
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-252 b.r., tanks,	gal.	.10½- —
198-290 b.r., tanks.	gal.	.10¼- —
246-397 b.r., tanks.	gal.	.10½- —
312-408 b.r., tanks.	gal.	.09 - —
362-458 b.r., tanks.	gal.	.09 - —
East Coast, N. Y., tanks,	gal.	.10 - —
N. J., tanks.	gal.	.10 - —
Group 3, tanks.	gal.	.06½- —
Gulf Coast, tanks.	gal.	.06½- —
tankwagon, Baltimore, 25-100 gals.	gal.	.13 - —
100 gals. or more.	gal.	.12 - —
Boston	gal.	.12 - —
Bridgeport, Conn.	gal.	.1630- —
Buffalo	gal.	.1240- —
Camden, N. J.	gal.	.11 - —
Chicago	gal.	.13½- —
Detroit	gal.	.1580- —
Hartford	gal.	.1630- —
Kansas City, Mo.	gal.	.1480- —
Lancaster, Pa.	gal.	.12 - —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1430- —
Newark (300 gal.)	gal.	.11 - —
New York (300 gal.)	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.120 - —

WORDS are worthless unless punctuated with *action!* Right now, more than at any other time in the history of this country, America must have action *from every man on every job.*

Our job is to provide the kind of Skellysolve you need and to *get it to you* when you need it.

We can and will do both . . . *any* quantity within reason—*anywhere.* Write, phone, or wire and you'll get action.

SKELLYSOLVE
***in the* OIL, PAINT *and* DRUG FIELD**

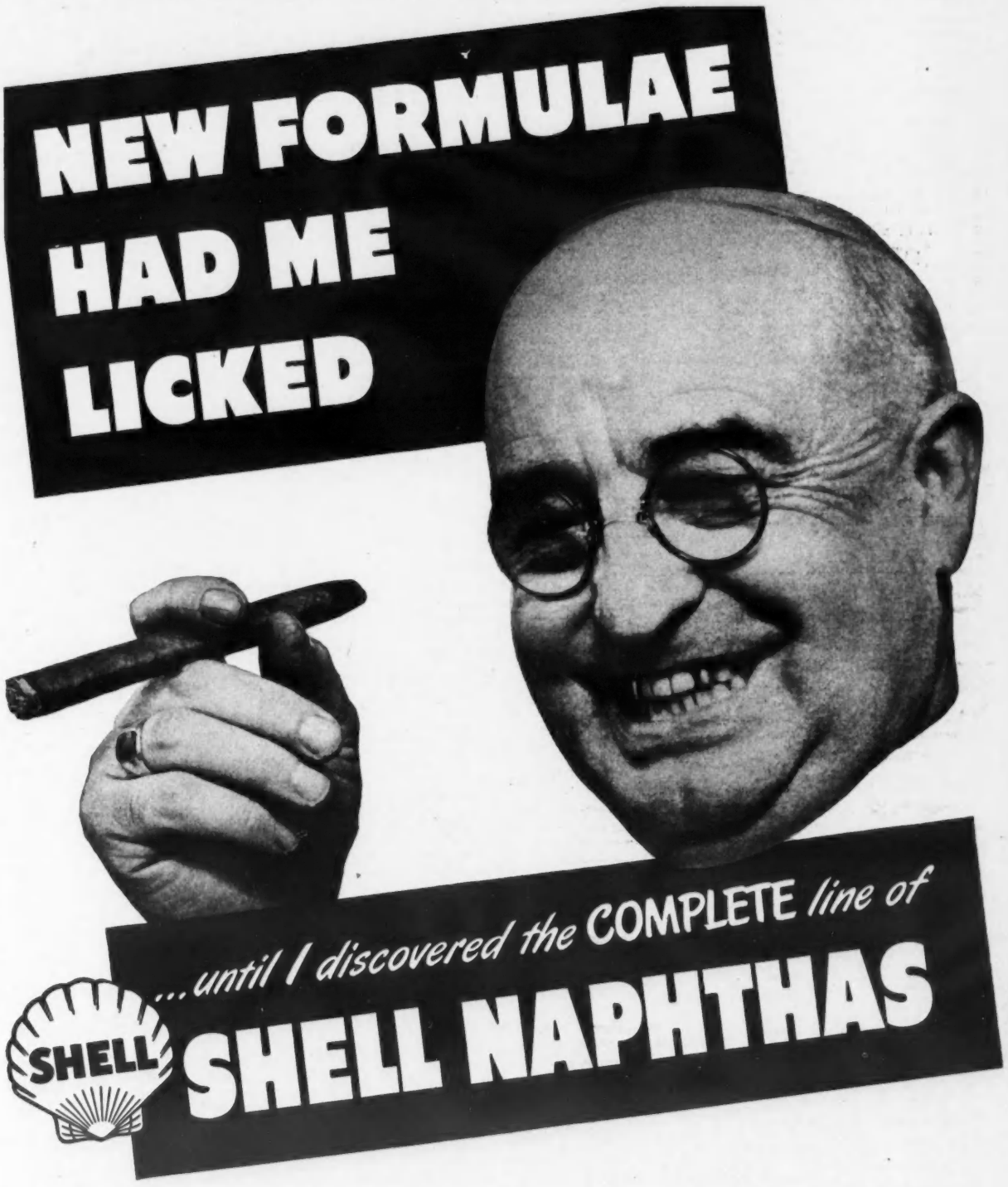
The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Petroleum, mineral spirits, tankwagons:—
Providence ....gal. .13 - —
Rochester ....gal. .1320-
St. Louis....gal. .1370-
Syracuse ....gal. .14 - —
Washington, D. C.....gal. .13 - —
Wilmington, Del.....gal. .13 - —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. Y., tankcars..gal. .11 - —
N. J., tankcars.....gal. .11 - —
Group 3, tankcars.....gal. .07½- —
Gulf Coast (f.o.b. New Orlans), tankcars..gal. .06¾- —
tankwagon, Boston.....gal. .13 - —
Bridgeport ....gal. .1750-
Chicago ....gal. .1380-
Detroit ....gal. .15 - —
Milwaukee ....gal. .1440-
Minneapolis ....gal. .1420-
Newark ....gal. .12 - —
New York....gal. .12 - —
Philadelphia ....gal. .125 - —
St. Louis....gal. .1470-
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
No. 3, same basis.....gal. .22½- —
No. 8, tanks, f.o.b. Bayway, N. J., frt. alld..gal. .228 - —
No. 30, tanks, f.o.b. Kingsland, N. J., frt. alld..gal. .228 - —
No. 40, tanks, f.o.b. Wilmington, Cal.....gal. .13½- —
V.M.&P., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-77, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles ....gal. .10 - —
dlvd. Los Angeles...gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle.gal. .11 - —
East Coast, N. Y., tanks.gal. .11 - —
N. J., tanks.....gal. .11 - —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd., New Orleans), tanks..gal. .06¾- —
tankwagon, Boston.....gal. .18 - —
Chicago ....gal. .1380-
Detroit ....gal. .15 - —
Milwaukee ....gal. .1540-
Minneapolis ....gal. .1520-
Newark (200 gal.).....gal. .125 - —
New York....gal. .12 - —
Philadelphia ....gal. .125 - —
Pittsburgh ....gal. .12½- —
St. Louis....gal. .1470-
Solvent, rubber, at refinery, California (f.o.b. San Francisco)..gal. .24 - —
East Coast, N. Y., tanks.gal. .11 - —
N. J., tanks.....gal. .11 - —
Group 3, tanks.....gal. .07½- —
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks.gal. .09½- —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- —
tankwagon, Baltimore...gal. .13 - —
Boston ....gal. .12 - —
Chicago ....gal. .13½- —
Detroit ....gal. .1580-
Milwaukee ....gal. .1440-
Minneapolis ....gal. .1420-
Newark ....gal. .11 - —
New York....gal. .11 - —
Philadelphia ....gal. .11 - —
Pittsburgh ....gal. .12½- —
St. Louis....gal. .1370-
Syracuse ....gal. .14 - —
Phenobarbital, 5-lb. tins.....lb. 3.60 - 3.70
dms., 100 lbs., spot or contract.lb. 3.50 - —
Phenol,[6] USP, dms., c.l., works, frt. equald..lb. .12½- —
l.c.l., same basis.....lb. .13½- —
tanks, works, same basis..lb. .11½- —
Phenolphthalein, USP, bbls.,dms., 2,000-lb. lots..lb. .85 - .
bbls., dms., kgs., 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenothiazin, Unmodified, fib. dms., incl., 2,000-lb. shipt. lb. .55 - —
150 lbs., same terms.....lb. .65 - —
100 lbs., same terms.....lb. .67 - —
50-lbs., same terms.....lb. .70 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 4.50 - 5.00
dimethylacetate, cns.....lb. 14.50 -16.00
Phenylethyl acetate, cns.....lb. 5.00 - 5.25
Phenylethylphenyl acetate, bots., lb. 8.00 -15.00
Phenylhydrazin, base, CP, bots., lb. 4.55 - —
Hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.00
Phosgene, ton lots, works....lb. .19 - —
Phosphate rock, Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% B.P.L., according to provisions of Maximum Price Regulation 240, bulk, f.o.b. cars, mine, c.l....long ton. 2.00 - —
70%-68% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 2.40 - —
72%-70% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 3.00 - —
73%-74% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 4.00 - —
77%-76% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 5.00 - —
finely ground, M.P.R. 240 provisions, same basis..... short ton. 2.75 - —
68%, basis 31% P_2O_5 minimum..short ton. 3.00 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.25 - —
All pebble, 50c. per ton higher than above prices.
Tenn., brown phosphate rock, unground, run-of-mine, washed, dried, 68%-66% B.P.L., f.o.b. cars, mines. c.l..long ton. 4.30 - —
70%-68% B.P.L., 5% I. & A., M.P.R. 240 provisions, same basis..long ton. 4.80 - —
72%-70% B.P.L., 5½% I.& A., M.P.R. 240 provisions, same basis..long ton. 5.30 - —
Phosphate rock, Tenn. finely ground rock, M.P.R. 240 provisions, same basis..... short ton. 4.50 - —
80% P_2O_5, same basis..... short ton. 4.70 - —
31% P_2O_5, same basis..... short ton. 4.90 - —
32% P_2O_5, same basis..... short ton. 5.00 - —
33%, P_2O_5, same basis..... short ton. 5.50 - —
Phosphorus, red, amorphous, cs., lb. .40 - .44
tins for export.....lb. .55 - —
yellow,[6] dms.....lb. .18 - .20
cases ....lb. .23 - .25
Phosphorus, oxychloride,[3] cyls.lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., wks., ton..lb. .35 - —
single, bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride,[6] bbls., c.l., works, frt. alld. E. of Miss. R—lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .09½
Picrotoxin, bots.....oz. 3.00 - —
Pilocarpine hydrochloride, bots., vis..oz. 3.80 - 5.25
Nitrate, bots., vis.....oz. 3.80 - 5.15
Pimento,[1] Jamaica, bgs.....lb. .29 - .29½
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. .63 - .80
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Hardwood, 1-time, dms., c.l., dlvd., Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .06 - .06½
Petroleum (see Asphaltum, Mexican, Texas).
Pitch, pine, dms.....100 lbs. 3.25 - —
stands, 200 lbs.....stand. 6.00 - —
Plaster of paris (see Gypsum).
Pleurisy root, Southern, bls....lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 8.75 - 9.00
Poke root, bls.....lb. .10 - .11
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. 1.05 - 1.10
Root bark, bgs.....lb. .30 - .32
Poppy flowers, red, bls.....lb. .65 - .70
red,[1] Dutch, bgs.....lb. .65 - .67
Indian, white, bgs.....lb. .09¼- .09¾
Turkish, bgs.....lb. .35½- .36
Potash abietate.....lb. .08 - —
Acetate, USP, bbls., 250 lbs..lb. .28 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite,[6] USP, solut., 100-lb. lots, cbys., demjs..lb. .13 - .15
Bicarbonate, USP, cryst., or gran., bbls., kgs., 300 lbs. lb. .19 - .21
gran., bbls., kgs., 250 lbs.lb. .19 - .21
Bichromate,[3,5] spot, c.l., cks., bbls., works..lb. .09¾- —
6 casks or 10 bbls., or over, works..lb. .09¾- —
5 casks or 9 bbls., or less, works..lb. .10 - —
Potash bichromate in bgs., ¼c. less.
Potash, bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
kgs., 100 lbs.....lb. .28 - .32
Carbonate, calc., doms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
liquid, dms., c.l., works, frt. alld..lb. .06 - —
l.c.l., dms., same basis..lb. .06½- —
tanks, same basis.....lb. .03¾- —
USP, gran., bbls., 325 lbs..lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
Chlorate,[3,5] cryst., kgs., works lb. .11 Nom.
powd., kgs., works.....lb. .09¾- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .26 Nom.
Chromate,[3,5] bgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
25-lb. dms.....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 5c. per lb higher.
Cyanide, dom., dms., works..lb. .55 - —
gold, 41% gold, bots., works oz. 14.20 -14.95



IF you're having trouble finding the right naphtha to meet present paint formulae, why not check with us?

Our modern, complete, conveniently located manufacturing plants make it possible for us to offer you a line of naphthas that will just about cover every condition you may be meeting today. And when you need something special —we can help you there, too.

Now is a good time to remember: "For your naphtha needs, see Shell!"

Potash, fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.50 - 1.52
100-lb. lots.....lb. 1.60 - 1.62
50-lb. lots, cbys. or cns..lb. 1.65 - 1.67
25-lb. lots, cns.....lb. 1.75 - 1.77
Guaiacolsulphonate, NF, fib. dms., 100-lb. lots..lb. 1.75 - —
Hydroxide, USP, sticks, dms., 100 lbs. to 1,000 lbs..lb. .34 - .36
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., or cans.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports, ton. No prices
Manure salt, dom., 22%, K_2O, f.o.b. Carlsbad, N. M., unit-ton. .20 - —
25% K_2O, same basis..unit-ton. .21 - —
import, 30%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .18 - .19
CP, cryst., 300-lb. bbls....lb. .24 - —
purified, 300-lb bbls.....lb. .23 - —
Muriate, dom., 60-62-63%, K_2O, bulk ex vessel, ports..... unit-ton. .53½- —
granular, 50-52% K_2O.unit-ton. .56 - —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price; basis Trona, Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.

Oxalate, pure, cryst., kgs.....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate,[2,6] kgs., works..lb. .09½- .11
Permanganate, tech., dms., works..lb. .20¾- .22
USP, dms., works.....lb. .21¾- .22¾
Prussiate, red, bbls., dms...lb. .70 - .75
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate alkaline, lumps, bgs., works..lb. .07 - —
glass, bgs., c.l.....ton.290.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. dms., c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, powd., 650 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk basis, 90-95%, K_2SO_4, min. 50%, ex vessel, Atl. or Gulf ports. ton.36.25 - —
Sulphocyanide, C.P., dms....lb. .75 - .85
N.F., dms.....lb. .55 - .65
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bulk, min. 40%, K_2SO_4, 18.50% MgO, ex vessel, ports. ton.38.00 - —
Potash-soda ferricyanide, dms. works..lb. .40 - .42
Potash-titanium oxalate, 350-lb. bbls..lb. .45 - —
100-lb. dms.....lb. .50 - —
Prickly ash bark, bls.....lb. .11½- .12
Berries, bgs.....lb. .22 - .27
Prince's pine herb, bls.....lb. .32 - .33
Procaine, hydrochloride, 25-lb. cns. lb. 3.00 - —
5-lb. cans.....lb. 3.25 - 3.50
1-lb. bots.....lb. 3.75 - —
Propane,[1] industrial grade, tanks, f.o.b. Group 3..gal. .03 - .03¼
Psyllium seed (see Flaxseed).
Pulsatilla, bls.....lb. 1.10 Nom.
Pumice, dom., grd., fine, 4F, 2F, 2F, F, O, bgs., f.o.b. Chicago, 2,000 lbs. and up. lb. .04 - —
600-1,999 lbs.....lb. .04¼- —
100-599 lbs .....lb. .04¾- —
New York, 2,000 lbs. and up. lb. .03¾- —
500-1,999 lbs.....lb. .03¾- —
100-499 lbs.....lb. .04 - —
coarse, O¼, ½, 1, 1½, 2, 3, bgs., f.o.b. Chicago, 2,000 lbs. and up..lb. .04¼- —
600-1,999 lbs.....lb. .04½- —
100-599 lbs.....lb. .05 - —
New York, 2,000 lbs. and up..lb. .03¾- —
500-1,999 lbs.....lb. .03¾- —
100-499 lbs.....lb. .04¼- —
imp., Italian.....lb. No prices

Pumice stone packed in barrels is ¼c. per lb. higher than the above prices.

Pumpkin seed, bgs.....lb. .12 - .18
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum[6] concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd., gal. 5.75 - —
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 5.53 - —
Pyrethrum[6] flowers, coarse, grns., (g.f.p.) 0.9% pyrethrins, frt. alld., bbls..lb. .27 - .28
fine powd., 0.5 pyrethrins, frt. alld., bbls..lb. .23 - —
fine, grd., 0.9% pyrethrins, bbls..lb. .29 - —
1.3 pyrethrins, frt. alld., bbls..lb. .39 - —
Pyridin,[6] denaturing, dms....gal. 1.71 - —
refd., 2#, dms.....lb. .46 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton.10.00 - —
325 mesh, same basis.....ton.13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china, white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaques, cs., works..lb. .04 - —
Pyroxylin scrap, translucent pastels, cs., works..lb. .10 - —
transparent, cs., works.....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works...lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, dom., bls.....lb. .06 - .08
Quebracho extract, solid, 63%, bgs., c.l., ex dock, plus duty, lb. .04⅞- —
clarified, 64%, bgs., c.l., same basis..lb. .05 - —
dissolved, 35% tan., bbls., works..lb. .04½- —
tanks, works.....lb. .04 - —
ground, bgs., c.l.....lb. .08¼- —
l.c.l., bgs.....lb. .09 - —
Queen of the meadow leaves, bgs..lb. .12 - .13
Root, bgs.....lb. .10 - .11
Quercitron, crystals, bgs.....lb. .26 - —
extract, bgs., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[1,4] dom., flasks (76 lbs. net), f.o.b. shipment point in Cal., Ore., Wash., Idaho, Utah, Nev., and Ariz..flask.191.00 - —
Tex. and Ark.....flask.193.00 - —
Quicksilver freight $4.28 per flask to N. Y.; dealers' commission, 1%; brokers, 2%.
Quince seed, bxs.....lb. 1.50 - 1.75
Quinidine,[3] NF V, cryst., cns.oz. 1.06 + .13½*
powd., precip., cns.....oz. 1.01 + .13½
Sulphate, USP, cns.....oz. .71 + .13½

* Subject to surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[3] 100 oz., cns.....oz. .84 + .13½*
Acetate, cns.....oz. 1.05 + .13½
Arsenate, cns.....oz. 1.05 + .13½
Arsenite, cns.....oz. 1.07 + .13½
Bisulphate, cns.....oz. .60 + .13½
Citrate, cns.....oz. .78 + .13½
Dihpdrobromide, bots.....oz. .86 + .13½
Dihydrobromide, bots.....oz. .86 + .13½
Ethylcarbonate, cns.....oz. 1.25 + .13½
Ferrocyanide, cns.....oz. 1.07 + .13½
Formate, cns.....oz. 1.00 + .13½
Hydrochlorosulphate, cns....oz. .81 + .13½
Glycerophosphate, cns.....oz. 1.20 + .13½
Hydrochloride, cns.....oz. .76 + .13½
Hydroiodide, cns.....oz. 1.05 + .13½
Hypophosite, cns.....oz. 1.07 + .13½
Phosphate, cns.....oz. .90 + .13½
Salicylate, cns.....oz. .79 + .13½
Sulphate, USP XI, cns.....oz. .67 + .13½
Sulphocarbolate, cns.....oz. 1.05 + .13½
Tannate, cns.....oz. .63 + .13½
Valerate, cns.....oz. .99 + 13½
Tartrate, cns.....oz. 1.03 + .13½

* Quinine buyers must pay a surcharge of 13½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[3] cns., oz. .81 + .13½

Subject to surcharge of 13½c. per oz.; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed,[1] Argentine, large bgs., lb. .08¾- .09
dom., dwarf Essex, bgs...lb. .10 - .10½
Raspberries, dried, bls.....lb. .90 - 1.10
Red,[2] alizarin lake,[3] bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .95 - —
400-2,000 lbs., bbls.....lb. 1.00 - —
100-300 lbs., pkgs.....lb. 1.05 - —
light shade, bbls, ton lots, lb. .80 - —
400-2,000 lbs., bbls.....lb. .85 - —
100-300 lbs., pkgs.....lb. .90 - —
light-medium shades, bbls., ton lots..lb. .85 - —
400-2,000 lbs., bbls.....lb. .90 - —
100-300 lbs., pkgs.....lb. .95 - —
maroon shade, bbls., ton lots..lb. 1.65 - —
400-2,000 lbs., bbls.....lb. 1.10 - —
100-300 lbs., pkgs.....lb. 1.15 - —
deep, bbls., ton lots.....lb. 1.15 - —
400-2,000 lbs., bbls.....lb. 1.20 - —
100-300 lbs., pkgs.....lb. 1.25 - —
medium shade, bbls., ton lots..lb. .90 - —
400-2,000 lbs., bbls.....lb. .95 - —
100-300 lbs., pkgs.....lb. 1.00 - —

Red, cadmium, lithopone quotations are f.o.b. Balto. or whse. points, charges prepaid or allowed E. of Rockies.

Selenide, bbls., light, works. lb. 2.35 - —
maroon, works.....lb. 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.00 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.35 - —
Firetoner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis, lb. .07¾- —
Imported, English, all shades. lb. .12 - —
Iron oxide see (Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts, lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .60 - —
Rose, lake, bbls.....lb. .25 - .28
Pink, bbls.....lb. .20 - .25
Lithol-rubine toner, bbls., same basis, alizarin, lake, contracts..lb. 1.10 - —
Red, maroon lake, 25%, kgs., same basis, alizarin, lake, contracts..lb. .40 - —
Mercury oxide,[3] tech., bbls., 10,000 lbs..lb. 3.09 - —
smaller lots.....lb. 3.11 - —
Metallic, bbls., Pa., works..lb. .92 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .09 - —
l.c.l., bbls.....lb. .09¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08¼- —
50-lb. bgs.....lb. .096 - —
Imported, English.....lb. .14½- —
Para, toner, concent., kgs., same basis, alizarin lake, contracts..lb. .70 - —
Persian Gulf, oxide, bbls., c.l., lb. No prices
Phloxin toner (see Red, Eosin-toner).
Phosphotungstic rhodamine, Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .35 - —
Spanish, oxide, Grade 1, c.l., bbls., f.o.b. N.Y..lb. .04¾- .07¾
Toluidin toner, kgs., same basis alizarin lake..lb. 1.05 - —
Turkey, c.l.f. New York.....lb. .14½- —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .2065- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., f.o.b. N.Y...lb. .25 - .44
quicksilver, bbls.....lb. 3.05 - 3.15
Red dyes are listed under Dyes.
Red, precipitate,[3] NF, powd., fib. dms., 50 lbs. or more..lb. 3.26 - —
Red saunders wood, ground, bbls., lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .09 - .10
Rhubarb, whole, cs.....lb. 1.20 - 1.35
powd., bbls.....lb. 1.25 - 1.45
Riboflavin .....gram. .65 - .69
Rice bran, concentrate, 573-lb. dms., f.o.b. Cedartown, Ga., or Emeryville, Calif., seller's option..lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - —
Rose flowers, pale, bls.....lb. .32 - .35
red, bls.....lb. No prices
Rosemary flowers, bls.....lb. 1.55 - 1.60
leaves, Portuguese, bls.....lb. .18 - .19
Spanish, bls.....lb. .18 - .18½
Rosin, gum ex dock:—
B, bbls.....100 lbs. 3.85 - —
D, bbls.....100 lbs. 3.92 - —
E, bbls.....100 lbs. 3.98 - —
F, bbls.....100 lbs. 4.07 - —
G, bbls.....100 lbs. 4.09 - —
H, bbls.....100 lbs. 4.07 - —
I, bbls.....100 lbs. 4.09 - —
K, bbls.....100 lbs. 4.14 - —
M, bbls.....100 lbs. 4.15 - —
N, bbls.....100 lbs. 4.16 - —
W. G., bbls.....100 lbs. 4.35 - —
W. W., bbls.....100 lbs. 4.41 - —
X, bbls.....100 lbs. 4.41 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., same basis.....ton.37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. 1.45 - 1.50

S

Sabadilla seed, powd., bbls....lb. .35 - .36
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - —
Safflower bls.....lb. No prices
Saffron, Mexican, bls.....lb. .55 - .56
Spanish, tins.....lb.32.00 -33.00
Safrol, cns.....lb. 2.25 - 2.45
dms.....lb. No prices
Sage,[1] Calif. leucophylla, whole, bls..lb. .55 - .58
rubbed, bgs. .....lb. .65 - .67
powder, bgs. .....lb. .75 - .77
Dalmatian type, bls.....lb. .90 - .92
Cyprus, bls.....lb. .31 - .32
Greek, bls.....lb. 1.60 - 1.70
Spanish, bls.....lb. .29 - .30
Saxo flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. 8.03 - —
cns., 25 lbs.....lb. 7.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.02 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., c.l., dlvd. N.Y. ton.14.20 - —
l.c.l., bgs., dlvd. N.Y...ton.17.00 -18.00
Vacuum, common, fine, bgs., c.l., dlvd. N.Y..ton.15.70 - —
l.c.l., dlvd. N.Y.....ton.19.40 -23.20
Chrome see Chrome cake).
Saltcake, dom., bulk, works..ton.15.00 - —
import, bulk, c.i.f.....ton.16.00 Nom.
Saltpeter, dbl. refd., gran., bbls., 10-20 tons.....100 lbs. 8.20 - —
1-9 tons.....100 lbs. 8.35 - —
less than ton lots..100 lbs. 8.60 - —
powd., bbls., 10-20 tons..... 100 lbs. 9.20 - —
1-9 tons.....100 lbs. 9.35 - —
less than ton lots...100 lbs. 8.60 - —
Sanguinarine nitrate, bots.....oz. 3.75 - —
Santonin, cryst., cns.....kilo.210.00 -220.00
Saponin, No. 1, cns.....lb. 1.75 - —
No. 2, cns.....lb. 1.45 - —
Sarsaparilla root, American, bls. lb. .25 - .26
Honduras, bls.....lb. .59 - .60
Mexican, bls.....lb. .20 - .21
Sassafras, bark, ord., bls.....lb. .20 - .21
select, bls.....lb. .31 - .32
Savory, bls.....lb. .73 - 1.75
Saw palmetto berries, bgs.....lb. .09 - .14
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .83 - —
powd., bxs.....lb. .90 - —
Scullcap, Eastern, bls.....lb. .25 - .32
Western, bls.....lb. .17 - .18
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34½- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases..... lb. 1.75 - —
Senega root, spot, bls.....lb. .59 - .60
Senna leaves, Alexandria, half leaf, bls..lb. .22 - .28
siftings, bgs.....lb. .21 - .22
Tinnevelly, No. 1, bls.....lb. .16 - .17½
2, bls.....lb. .12 - .16
3, bls.....lb. .11 - .14
powd., bbls., bxs.....lb. .15 - .17
Pods, bls.....lb. .13 - .16
Serpentaria root, bls.....lb. .70 - .82
Sesame seed,[1] Chinese, hulled, bgs..lb. .12½- .13
Indian, natural, bgs.....lb. .09 - .09½
hulled, sterilized, bgs....lb. .12 - .12½
Shellac,[1,6] bleached, bonedry, bbls., 1,500 lbs. or more, f.o.b. N.Y..lb. .42½- —
dlvd., Boston.....lb. .43½- —
Chicago .....lb. .44 - —
Pacific Coast.....lb. .46 - —
refined, bbls., 1,500 lbs. or more, f.o.b. N.Y..lb. .48½- —
dlvd., Boston.....lb. .49½- —
Chicago .....lb. .50 - —
Pacific Coast.....lb. .52 - —

Bone dry shellac, sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more; (4) less than 100 lbs., regardless of packing, 5c. more.

Shellac,[1,6] 100 bgs. or more, garnet, bgs..lb. .3890- —
D.C., V.S.O., or Diamond 1, bgs..lb. .4660- —
Superfine, f.o.b. Boston, N.Y. lb. .3660- —
dlvd., Chicago. .....lb. .3710- —
Pacific Coast.....lb. .3960- —
T.N., f.o.b. Boston, N.Y...lb. .3550- —
dlvd., Chicago.....lb. .3600- —
Pacific Coast.....lb. .3850- —

Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 1c. more; 10 to 99 bgs., cs., 1c. more.

Shortening, trcs.....100 lbs.16.50 -17.00
Silica, amorph., dry-grd., 325 mesh, c.l., Ill., works..ton.17.00 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh, c.l.....ton.18.00 - —
l.c.l., 5,000 lbs.....ton.19.00 - —
smaller lots.....ton.20.00 - —
wet-grd., 325 mesh, c.l., Ill., works..ton.18.00 - —
l.c.l., same basis.....ton.21.00 - —
400 mesh, c.l.....ton.30.00 - —
l.c.l., 5,000 lbs.....ton.35.00 - —
smaller lots.....ton.38.00 - —
96-98%, 325 mesh, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.21.50 - —
smaller lots.....ton.23.00 - —
99%, 325 mesh, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.22.00 - —
smaller lots.....ton.25.00 - —
medium-grd., 99%, 325 mesh, l.c.l., 5,000 lbs..ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quarts, 99½%, 325 mesh, c.l...ton.13.50 - —
l.c.l. .....ton.18.50 - —
140 mesh, c.l.....ton.11.00 - —
l.c.l. .....ton.16.00 - —

Silica prices are for bag packing f.o.b. works.

Silicon tetrachloride, CP, dms., works, 55 gals..lb. .27 - —
10-gal. dms., same basis..lb. .32 - —
smaller pkgs.....lb. .75 - 1.25
tech., dms., 55 gals., works.lb. .22 - —
10-gal. dms., same basis..lb. .27 - —
smaller pkgs.....lb. .50 - 1.00
Silver, bullion.....oz. .44¾- —
Govt. purchase, dom., metal. oz. .7111- —
Govt. purchase,[1] foreign metal. oz. .44¾- —
Cyanide, cns., 100 ozs.....oz. .41¼- —
Nitrate, 100-oz. bots.....oz. .32¾- —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .55 - .67
Skunk cabbage root, bls.....lb. .13 - .14
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .75 - .80
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .66 - .67
Soapbark, bls.....lb. .13 - .14
crushed, bls., bbls.....lb. .16 - .17
cut, imp., bls., bbls.....lb. .17 - .18
dom., bbls.....lb. .10 - .11
powd., bbls.....lb. .19 - .20
Soda, acetate, anhydrous, dms., dlvd. lb. .08½- .10
flake, gran., powd., (60% dms., c.l., dlvd..lb. .05 - —
l.c.l., dlvd.....lb. .07 - .10
USP, bbls., dlvd.....lb. .06 - .07
Alginate, water soluble, refined, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
Aluminate, white, soluble, c.l., bgs., frt. equald..100 lbs. 7.50 - —
dms., frt. equald..100 lbs. 7.75 - —
l.c.l., bgs., frt. equald..... 100 lbs. 8.40 - —
dms., frt. equald..100 lbs. 8.65 - —
Antimoniate, bbls., dlvd., c.l..lb. .15 - —
l.c.l., bbls., dlvd.....lb. .15½- —
Arsenate,[6] dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms.....lb. .09¼- .09¾
Arsenite,[6] dry, gray, dms., c.l., dealers, works..lb. .06¾- —
l.c.l., dms., works....lb. .07½- .08½
white, dms., c.l., dealers, works..lb. .07¾- —
l.c.l., works.....lb. .08½- .09¼

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., Zone 1.....100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.13 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —

AN OPEN LETTER
to manufacturers affected by W.P.B. Order L-197

St. Regis Paper Company
TAGGART CORPORATION
230 Park Avenue
New York

October 29, 1942

If you produce any of the products listed in W. P. B. Limitation Order L-197, you may face the immediate necessity of obtaining a satisfactory container to replace steel drums.

The multiwall paper bag is used today by many chemical companies for packing a wide variety of their products. Multiple walls of strong kraft paper, supplemented by a special laminated sheet where necessary, make these bags resistant to chemical action and assure protection of your product against moisture vapor penetration.

The St. Regis Paper Company maintains a staff of trained packaging engineers. These men are equipped by knowledge and experience to study your product, recommend type of bag to fit into your plant operation and construction of bag to protect your product.

Our bag plants are located in all strategic industrial areas, and quick deliveries can be made. Our facilities are at your disposal so that we may move jointly to conserve steel for direct war uses, and still maintain the essential flow of chemical products.

The packaging problem faces all industry today. Metal must be conserved. The St. Regis organization is able and anxious to help. We suggest that you wire or phone this office. The response will be prompt.

Very truly yours,

ST. REGIS PAPER COMPANY

R K Ferguson

President

RKF:LR

Baltimore, Md.
Birmingham, Ala.
Chicago, Ill.
Dallas, Tex.
Denver, Colo.
Franklin, Va.

MULTIWALL
St. Regis PAPER BAGS
MULTIPLY PROTECTION • MULTIPLY SALEABILITY

Los Angeles, Calif.
Nazareth, Pa.
New Orleans, La.
San Francisco, Calif.
Seattle, Wash.
Toledo, Ohio

St. Regis Specialized Service may be able to help you!

Soda ash, light, 58%, bgs., c.l., works	100 lbs.	1.05	- 1.13
l.c.l., Zone 1	100 lbs.	2.13	- —
2	100 lbs.	2.28	- —
3	100 lbs.	2.53	- —
4	100 lbs.	2.93	- —
bbls., c.l., works	100 lbs.	1.35	- —
l.c.l., Zone 1	100 lbs.	2.35	- —
2	100 lbs.	2.50	- —
3	100 lbs.	2.75	- —
4	100 lbs.	3.15	- —
bulk, c.l.	100 lbs.	.90	- —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse point and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian; Neb. E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex., Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.

Benzoate, tech., bbls., 4,000 lbs. or more	lb.	.39	- —
1,000 to 3,900 lbs.	lb.	.40	- —
900 lbs. or less	lb.	.43	- —
USP, bbls., fib., 4,000 lbs., or more	lb.	.46	- —
1,000 to 3,900 lbs.	lb.	.47	- —
900 lbs. or less	lb.	.50	- —
Bicarbonate, tech., bbls., c.l., works	100 lbs.	1.70	- —
l.c.l.	100 lbs.	2.05	- —
bgs., c.l.	100 lbs.	1.55	- —
l.c.l	100 lbs.	1.90	- —
USP, gran., bbls., c.l., works.	100 lbs.	2.25	- —
l.c.l.	100 lbs.	2.60	- —
powd., bbls., c.l., works,	100 lbs.	1.85	- —
l.c.l., dlvd. N.Y.	100 lbs.	2.51	- —
kgs., c.l.	100 lbs.	2.10	- —
l.c.l., dlvd. N.Y.	100 lbs.	2.76	- —
Bichromate,[5,6] spot, cks., bbls., c.l., works	lb.	.07¾	- —
l.c.l., 6 cks. or 10 bbls. or over, works	lb.	.07½	- —
5 cks. or 9 bbls. or less, works	lb.	.07¾	- —
Soda bichromate in bgs., ¼c. less.			
Bifluoride, bbl., c.l.	lb.	.11	- —
10-bbl. lots	lb.	.11½	- .13
1-9 bbls	lb.	.12	- —
kegs	lb.	.12½	- .14
Bisulphite, powd., bbls., c.l., works	100 lbs.	3.00	- 3.10
l.c.l., works	100 lbs.	3.50	- 3.60
solution, 32 deg., bbls., c.l., works	100 lbs.	1.30	- —
l.c.l., bbls., works	100 lbs.	1.55	- —
32 deg., bbls., c.l., works	100 lbs.	1.35	- —
l.c.l., bbls., works	100 lbs.	1.60	- —
35 deg., c.l., works	100 lbs.	1.40	- —
l.c.l., bbls., works	100 lbs.	1.65	- —
44 deg., bbls., works	100 lbs.	1.55	- —
l.c.l., bbls., works	100 lbs.	1.80	- —
Bromide, USP, gran., bbls., works, 500 lbs.	lb.	.27	- .31
fiber dms., 100 lbs.	lb.	.28	- .32
Cacodylate, 5-lb. bbls., works,	lb.	17.00	- —

Carbonate (see Soda ash, soda monohydrated, soda sal).

Caustic, flake, 76%, powd., amms. process, bbls., c.l., works	100 lbs.	2.95	- —
dms., c.l., works	100 lbs.	2.70	- —
l.c.l., Zone 1	100 lbs.	3.55	- 4.90
2	100 lbs.	3.70	- 5.05
3	100 lbs.	3.95	- 5.30
4	100 lbs.	4.25	- 5.70
electro process, dms., c.l., works	100 lbs.	2.70	- —
l.c.l., same zinc prices as ammonia process.			
liquid, 47-49%, buyers' tanks, works	lb.	1.92½	- —
sellers' tanks, works	100 lbs.	1.95	- —
70%, buyers' tanks, works.	100 lbs.	1.97½	- —
sellers' tanks, works	100 lbs.	2.00	- —
solid, 76% ammon., process, dms., c.l., works.	100 lbs.	2.30	- —
l.c.l., Zone 1	100 lbs.	3.15	- —
2	100 lbs.	3.30	- —
3	100 lbs.	3.55	- —
electro process, dms., c.l., works	100 lbs.	2.30	- —

Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.

Chloride (see Salt).

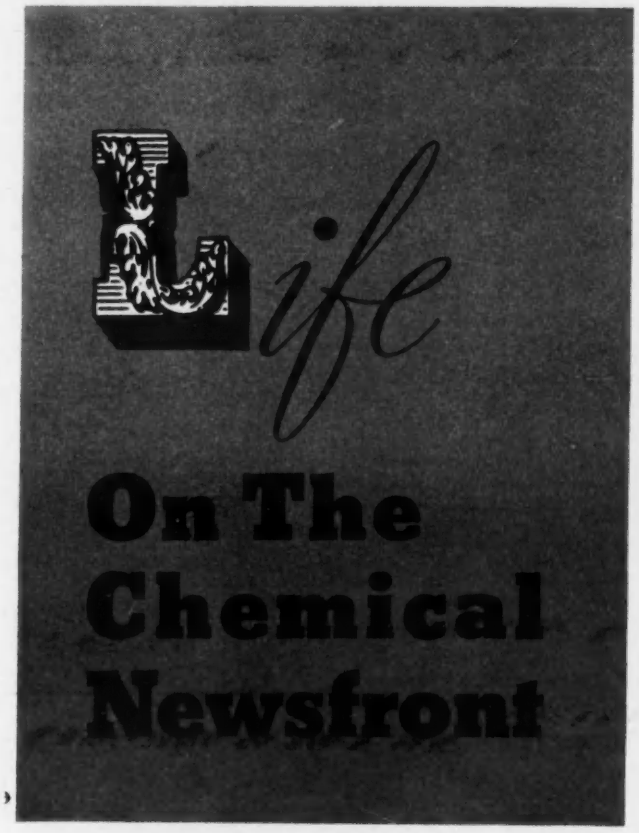
Chlorate,[6] dom., cryst., bgs., c.l., works	lb.	.06¼	- —
l.c.l., works	lb.	.06½	- —
powd., bgs., c.l., works	lb.	.06½	- —
l.c.l., works	lb.	.07	- .08½
Chromate,[5,6] c.l., works	lb.	.08¾	- —
l.c.l., 6 cks., 10 bbls. or over, works	lb.	.09½	- —
Citrate, USP VIII, 225-lb. bbls.	lb.	.18½	- —
50-lb. lots, dms.	lb.	.20½	- —
25-lb. lots, dms.	lb.	.22½	- .23½
dms., 100-lb. lots, dms.	lb.	.19½	- —
USP XI, gran., bbls., 250-lb. lots	lb.	.24	- —
boxes, 50-lb. lots	lb.	.26	- —
cns., 25-lb. lots	lb.	.28	- .29
kgs., 100-lb. lots	lb.	.25	- —
powd., bbls., 250-lb. lots	lb.	.24½	- —
boxes, 50-lb. lots	lb.	.26½	- —
cns., 25-lb. lots	lb.	.29½	- —
kgs., 100-lb. lots	lb.	.25½	- —
Cyanide,[6] 96-98%, dom., dms.	lb.	.14	- .15
imports, 90%, cs	lb.	No prices	
Diacetate, 32-35% acidity, bbls., dlvd.	lb.	.09½	- .10½
anhy., dms., dlvd	lb.	.12½	- —
Fluoride, white, 30%, bbls., c.l., frt. alld.	lb.	.08	- —
l.c.l., 10 or over, same basis	lb.	.08½	- —
1-9, same basis	lb.	.09	- —
96%, bbls., c.l., same basis.	lb.	.08¼	- —
l.c.l., 10 or over, same basis	lb.	.08¾	- —
1-9, same basis	lb.	.09¼	- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Soda, glycerophosphate, NF, cryst., bbls., 1,000-lb. lots,	lb.	1.25	- 1.32
100-lb. lots	lb.	1.40	- 1.47
cns., 25 lbs.	lb.	1.65	- 1.67
powd., bbls., 1,000-lb. lots.	lb.	1.25	- 1.32
100-lb. lots	lb.	1.40	- 1.47
cns., 25 lbs.	lb.	1.72	- —
solution, cbys., cns.	lb.	.82	- .83
Hydrosulphite, dms., frt. alld.	lb.	.17	- .18
Hydroxide, USP, sticks, dms., 100 to 1,000-lb. lots	lb.	.24	- .27
Hypophosphite, N. F., cns., 100-lb. lots	lb.	.67	- —
Hyposulphite, cryst., large bgs., works, frt. equald.	100 lbs.	2.25	- —
bbls., same basis.	100 lbs.	2.45	- —
l.c.l., bgs., works, frt. equald.	100 lbs.	2.50	- —
bbls., same basis	100 lbs.	2.70	- —
pea, bgs., c.l., works.	100 lbs.	2.60	- —
bbls., works	100 lbs.	2.80	- —
dms., works	100 lbs.	3.10	- —
pea, 5,000 lbs. and over, cgs., works.	100 lbs.	2.75	- 3.00
bbls., works	100 lbs.	2.95	- 3.20
dms., works	100 lbs.	3.25	- 3.60
2,500 to 5,000 lbs., bgs., works.	100 lbs.	2.85	- 3.10
bbls., works	100 lbs.	3.08	- 3.30
dms., works	100 lbs.	3.35	- 3.60
500 to 2,500 dms., works.	100 lbs.	3.10	- 3.25
bbls., works	100 lbs.	3.30	- 3.55
dms., works	100 lbs.	3.60	- 3.85
less than 500 lbs., bgs., works.	100 lbs.	2.70	- 2.95
bbls., works.	100 lbs.	3.90	- 4.15
dms., works	100 lbs.	4.20	- 4.45
Soda, iodate, jars	lb.	5.40	- —
iodide, jars	lb.	2.42	- —
bots.	lb.	2.52	- 2.57
Mandelate, 100-lb. dms	lb.	1.25	- —
Metanilate, bgs.	lb.	.40	- —
Metasilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.00	- —
15 dms. and over, dlvd. N.Y.	100 lbs.	4.90	- —
3-14 dms., same basis.	100 lbs.	5.05	- —
1-2 dms., same basis.	100 lbs.	5.30	- —
gran., bbls., c.l., works.	lb.	2.50	- —
10 bbls. and over, dlvd. N.Y.	lb.	3.30	- —
1-9 bbls., dlvd. N.Y.	lb.	3.55	- —
Molybdate,[6] anyhd., kgs., works.	lb.	.47	- —
Monohydrated, bbls., N. Y.	100 lbs.	3.00	- —
works	100 lbs.	2.55	- —
Naphthionate, bbls.	lb.	.50	- —
Nitrate,[6] dom., c.l., 100-lb. bgs., dlvd., f.o.b. cars Hopewell, Va.	ton.	30.05	- —
200-lb. bgs., same basis.	ton.	29.35	- —
bulk, f.o.b. Hopewell, va.	ton.	27.00	- —
imp., c.l., 100-lb. bgs., f.o.b. cars, Atl., Gulf, Pac. warehouses.	ton.	33.00	- —
200-lb. bgs., same basis.	ton.	32.40	- —
bulk, same basis.	ton.	30.00	- —
refd., gran., bbls., 10 tons.	100 lbs.	3.60	- —
1-9 tons	100 lbs.	3.75	- —
smaller lots	100 lbs.	4.00	- —
Soda, nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized.	lb.	.06¾	- —
West Coast, f.o.b. ports.	100 lbs.	3.00	- 3.65
l.c.l.	100 lbs.	3.90	-11.90

Soda niterite l.c.l. prices range represents delivery at various points.

Orthosilicate, anhyd., dms., c.l., works, frt. equald.	lb.	4.50	- —
15 dms. and over, same basis.	lb.	5.45	- —
3-14 dms., same basis	lb.	5.60	- —
1-2 dms., same basis	lb.	5.85	- —
flake, dms., c.l., works	100 lbs.	3.15	- —
10 bbls. and over, dlvd. N.Y.C.	100 lbs.	4.30	- —
1-9 bbls., same basis.	100 lbs.	4.55	- —
Oxalate, neut., bbls.	lb.	.09¾	- —
Perborate, NF, bbls., c.l., works.	lb.	.14¾	- —
l.c.l., works	lb.	.15¾	- —
Pentachlorophenate briquets, single bgs., works.	lb.	.26	- —
70 lbs., bgs., works	lb.	.20	- —
490 lbs., bgs., works	lb.	.18	- —
powd., 100 lbs., kgs., works.	lb.	.19	- —
500 lbs., bgs., works	lb.	.17	- —
Phosphate, dibasic, anhyd., bgs., c.l., works	100 lbs.	6.00	- 6.25
l.c.l., works	100 lbs.	6.50	- 7.25
bbls., c.l., works	100 lbs.	6.20	- 6.45
l.c.l., works	100 lbs.	6.70	- 7.45
cryst., tech., bgs., c.l., works.	100 lbs.	2.55	- 2.70
l.c.l., works	100 lbs.	2.95	- 3.45
bbls., c.l., works	100 lbs.	2.75	- 2.90
l.c.l., works	100 lbs.	3.15	- 3.65



(*Above*) **AS THIS CHRISTMAS APPROACHES,** th traditional gaiety of the season is tempered by th problem of a nation at war. As the nation look forward to the New Year, each American shoul resolve to do everything that lies in his power t make "Peace on Earth" an early reality.

(*Left*) **MAN-MADE WINTER** is produced in this te chamber to study the performance of airplan engines under conditions duplicating the sub-zer temperatures encountered in the frigid zon where American pilots and American-built plan are operating this winter. Extremes of heat an cold impose severe conditions on every part of a airplane engine—and particularly on the pr tective coatings, which, in addition to the temper ature range, must withstand the terrific scrubbin action caused by the high-velocity wind produce by the propeller and the motion of the plan Surface coatings that meet these requirement successfully are commonly formulated with syn thetic resins derived from phthalic anhydride—o which Cyanamid is one of the country's majo producers. Such coatings are characterized b their unusual combination of adhesion, toughnes and resistance to weather, light, abrasion, and oi and by their exceptional durability under temper atures ranging from far below zero to blisterin heat. As a result, finishes incorporating thes resins are extensively used not only on airplan engines, but on a wide variety of other product which are subjected to extremes of heat and cold or to other severe service conditions which im pose exacting demands on the coatings used. I addition to the manufacture of synthetic resin phthalic anhydride has many other importan uses, including the production of pharmaceutical dyes, and pigments.

Soda, phosphate, monobasic, anhyd., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
bbls., c.l., works.....100 lbs. 7.45 - 8.45
l.c.l., works.....100 lbs. 8.20 - 9.20
tribasic, bgs., c.l., works. 100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.45 - —
bbls., c.l., works.....100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.65 - —
kegs, c.l., works.....100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
bbls., c.l., same basis.100 lbs. 6.20 - —
l.c.l., same basis..100 lbs. 6.70 - —
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works..lb. .11½- .12
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .11 - —
contracts .....lb. .10 - —
smaller lots.....lb. .11½- —
contracts .....lb. .10¼- —
Pyrophosphate,[3] anhyd., bgs., c.l., works, frt. equalized. 100 lbs. 5.28 - 6.10
5 tons and over, same basis. 100 lbs. 5.40 - 6.25
less than 5 tons, same basis..100 lbs. 5.75 - 6.60
bbls., c.l., works, frt. equalized..100 lbs. 5.45 - 6.30
5 tons and over, same basis. 100 lbs. 5.60 - 6.45
less than 5 tons, same basis..100 lbs. 5.95 - 6.80

Soda, ricinoleate, tech., bbls...lb. .12 - —
Sal, bgs., dlvd. N. Y....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls., dlvd N. Y.....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, bgs.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., wks., 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
l.c.l., Zone 1.....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

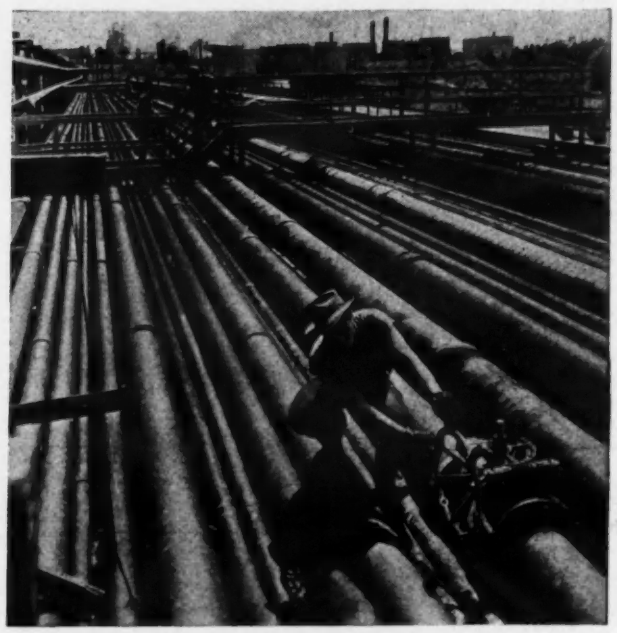
Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
100 bbls. or over, dlvd. N.Y.C. 1-9 bbls.....100 lbs. 4.30 - —
works..100 lbs. .80 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works. 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
tanks, wks.....ton.13.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works. 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
tanks, wks.....ton.25.00 - —
Silicofluoride, bbls., c.l., works.. lb. .06 - —
l.c.l., same basis.....lb. .06½- —
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24

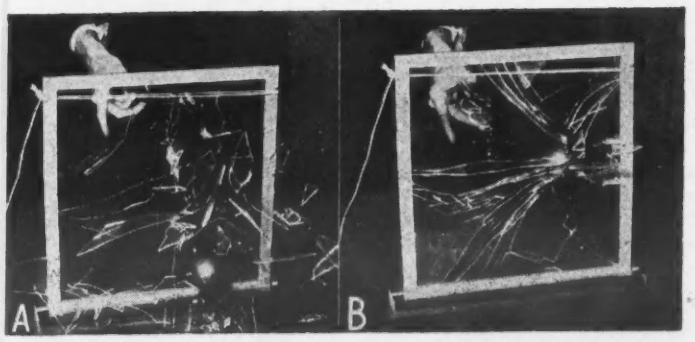
Soda, sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works.. 100 lbs. 1.95 - 2.15
less than 5 tons, works.. 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
NF, VI, desiccated, powd., bbls..lb. .07 - .07½
USP, cryst., gran., bbls...lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.90 - —
less than 5 tons, dlvd. 100 lbs. 3.15 - —
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.65 - —
less than 5 tons, dlvd. 100 lbs. 3.90 - —
Sulphite, cryst., 100-lb. bgs., works..lb. 2.10 - 2.35
bbls.....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .28
Sulphocyanide, C.P., dms....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works. lb. .06 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works lb. .04½- —
l.c.l., works.....lb. .05 - —

Soda, sulphoricinolate, bbls....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate,[6] CP, kgs.....lb. No prices
tech., kgs.....lb. 1.35 - 1.50
Soda-formaldehyde sulphoxylate, standard cont. (125-250 lbs.) lb. .19 - .22
Solvent, naphtha,[x] dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minequa, Colo..gal. .27 - —
Solvent naphtha, high-flash, dms., works..gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
Sorbitol, com'l, dms., works..lb. .17¾- —
Soybean meal, 44% protein, Decatur, Ill., January delivery..ton.32.25 - —
February delivery.....ton.32.50 - —
protein, alpha, bgs., c.l., works lb. .17 - —
l.c.l., 10-20 tons, works....lb. .17¼- —
100-20,000 lbs., works....lb. .17½- —
smaller lots, works.....lb. .21 - —
Sparteine sulphate, bots., cns..oz. 3.25 - 3.90
Spearmint leaves, bls.....lb. .35 - .36
Spikenard root, bls.....lb. .26 - .27
Spruce extract, reg., bbls., c.l., works..lb. .02¼- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works. lb. .04½- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. .85 - .88
White, bls.....lb. .16 - .18
powd., bbls., bxs.....lb. .26 - .28
St. Ignatius beans, bgs.....lb. .43 - .60
St. John's Bread, edible, bls..lb. .24 - .35
Starch, corn, pearl, bgs., f.o.b. Chicago100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.47 - —
powd., bgs., f.o.b. Chicago.. 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.57 - —
Potato, dom., bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0760- —
import, bgs.....lb. No prices
Rice, bgs.....lb. .09 - .10
Sweetpotato, bgs.....lb. .06¾ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Stavesacre, seed, bgs.....lb. No prices
Stearin, oleo.....lb. .10¾- —
Stillingia root, bls.....lb. .11 - .12
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.75 - 1.80
Stramonium leaves, bgs.....lb. .23 - .24
seed, bgs.....lb. .20 - .21
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 90% precip., bbls....lb. .25 Nom.
Chloride, tech., bbls.....lb. .23 - .25
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, dom., bbls., c.l., works. lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Oxalate, bbls.....lb. .44 - —
Salicylate, bbls., kgs.....lb. 1.10 - —
dms. .....lb. 1.13 - —
Sulphate, nat., 92% min., $SrSO_4$, air-floated, 500 mesh, c.l., works..ton.52.00 - —
5 to 15 ton lots, same basis..ton.54.00 - —
Strophantin, bots.....oz.30.00 - —
Strophanthus seed, Kombe, bgs.lb. 2.75 - 3.25
Styrolyl, acetate, bots.....lb. 2.50 - 3.10
Strychnine, cryst., cns., 100-oz. lots..oz. .70 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .88 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .91 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .88 - —
Glycerophosphate, 25-oz. cans., 100-oz. lots..oz. .89 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .88 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. 1.00 - —
Nitrate, 25-oz. cns., 100-oz. lots. oz. .82 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .89 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .58 - —
powd., cns., 100-oz. lots.oz. .48 - —
Sucrose octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.40
Sugar of milk (See Milk sugar)
Sulfadiazine, tablets, bots., 50's. ea. 4.86 - —
100's .....ea. 8.46 - —
1,000's .....ea.72.00 - —
Sulfaguanidine, 3.5-gm. bot..doz. 2.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —
Sulfanilamide, 5 lbs., bots....lb. 1.45 - —
fib. dms., 1,000 lbs., 1 delivery lb. 1.00 - —
100 lbs.....lb. 1.05 - —
25-lb. lots.....lb. 1.20 - —
Sulfapyridine, powd., bots., tins.. lb. 7.50 - 8.00
Sulfathiazole, 1,000-lb. lots, dms. lb. 4.00 - —
500-lb. lots, dms.....lb. 4.10 - —
100-lb. lots, dms.....lb. 4.15 - —
25-lb. tins.....lb. 4.20 - —
1-5 lb. bots.....lb. 4.45 - 4.80
Sesquihydrate, prices same as sulfathiazole.
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. mars, mines, contracts..long ton.16.00 - —
flour, comm'l, bgs., c.l..100 lbs. 1.90 - —
l.c.l. .....100 lbs. 2.40 - —
flowers, USP, bgs., c.l..100 lbs. 3.30 - —
l.c.l. .....100 lbs. 3.80 - —
bbls., c.l.....100 lbs. 3.05 - —
l.c.l. .....100 lbs. 4.15 - —
refined, cast, bgs., c.l...100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
heavy, USP, bgs., c.l..100 lbs. 2.85 - —
l.c.l. .....100 lbs. 3.35 - —
bbls., c.l.....100 lbs. 3.20 - —
l.c.l. .....100 lbs. 3.70 - —
light, USP, bgs., c.l...100 lbs. 2.95 - —
l.c.l. .....100 lbs. 3.45 - —
bbls., c.l.....100 lbs. 3.30 - —
l.c.l. .....100 lbs. 3.80 - —
lumps, bgs., c.l.....100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
bbls., c.l.....100 lbs. 2.80 - —
l.c.l. .....100 lbs. 3.30 - —
rolls, bgs., c.l.....100 lbs. 2.65 - —
l.c.l. .....100 lbs. 3.15 - —

Prices at the mine for various grades refined sulphur 50c. less per 100 pounds.

rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld.100 lbs. 2.20 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.55 - —
Chloride, 55-gal. dms., c.l...lb. .06 - .06¼
l.c.l., dms., works....lb. .04 - .04¼
10-gal. dms., c.l.....lb. .07 - .07¼
l.c.l. .....lb. .06 - .06¼





(*Right*) **IN THIS ARSENAL OF OURS—OIL IS AMMUNITION.** Carefully selected crude oils flow through this maze of pipes on their way to refineries for blending into 100-octane fuel for planes. In the oil fields, the tapping of new sources is being speeded up by the use of Cyanamid's drilling mud chemicals. When added to the drilling mud, these chemicals render inactive the compounds normally harmful to the mud, and maintain uniform mud quality. As a result, drilling time is substantially reduced.

(*Below*) **GAS DECONTAMINATION** is demonstrated by this soldier wearing a specially treated suit which protects him against dangerous vapors resulting from explosion of gas bombs. More than 4,500 pounds of a chemical decontamination agent can be supplied through the funds loaned Uncle Sam by your purchase of a $25 War Bond. *You* can help provide vitally needed materials for our armed forces by purchasing *more* War Bonds!

(*Above*) **SPECIFIC GRAVITY** of liquids or gases can now be determined by a new electric type of hydrometer developed by Ernest G. Ashcraft at the Crosby Research Foundation Laboratory. Providing a convenient means of measuring specific gravity, the device may be expected to find many applications in the chemical industry for laboratory work or for production control.

(*Left*) **SHATTERING OF GLASS** is almost completely eliminated by a new transparent elastic coating. Photo A shows effect of hurling a steel ball through a pane of ordinary window glass. B shows the effect of the same ball on glass coated with the new material. Though long cracks run through the glass, all except a few fragments are held fast to the elastic coating.

American Cyanamid & Chemical Corporation
A Unit of American Cyanamid Company
30 ROCKEFELLER PLAZA · NEW YORK, N. Y.

Sulphur, dioxide, liquid, ccm'l, cyls., works	lb.	.07 - .08
multi-unit, cars, works	lb.	.04½- .06
tanks, works	lb.	.04 - .06
refrigeration, cyls., works	lb.	.18 - .21
multi-unit cars, works	lb.	.06¾-
Iodide, bots., jars	lb.	3.90 - 4.05
Precipitated, USP, bbls	lb.	.18 - .27
Sumac, grd., Sicilian, f.a.s	ton.	No prices
leaf, f.a.s	ton.	No prices
extract, bbls., No. 1	lb.	.06 - —
No. 2	lb.	.07 - —
stainless, bbls	lb.	.09 - .11
Berries, bgs	lb.	.12 - .13
Sunflower seed, Calif., large, bgs.,	lb.	.07¾- .08
medium, bgs	lb.	.07¼- .07¾
poultry	lb.	.07 - .07½
Superphosphate, run-of-pile, basis 16% a.p.a., bulk, f.o.b. cars, boats, Balto	unit-ton.	.80 - .84
	net ton.	9.60 -10.24
guaranteed 16% a.p.a., bulk, plus flattening charge of 50c.,	unit-ton.	.63¾- .67½
	net ton.	10.10 -10.74
20% a.p.a., bulk, same basis, spot	unit-ton.	.63¾- .68
	net ton.	12.75 -13.60
triple, bulk, f.o.b. cars, Balto., spot	unit-ton.	.85 - —

T

Talc., dom., aluminum flake-type, grd., c.l.	ton.	14.50 -24.50
l.c.l.	ton.	16.50 -30.00
Calif., c.l.	ton.	17.50 -42.00
Talc, dom., N. Y., fibrous, 325 mesh, 93-94%, c.l.	ton.	13.00 -18.00
99-99½%, c.l.	ton.	15.25 -19.25
99.95%, c.l.	ton.	17.00 -21.00
coarse, off-color, c.l.	ton.	13.00 - —
Pennsylvania, c.l.	ton.	11.00 -13.50
l.c.l.	ton.	12.00 -14.50
Vermont, c.l.	ton.	14.00 - —
l.c.l.	ton.	15.00 - —
imp., Canadian, c.l., divd. N. Y.	ton.	24.00 -30.00
French	ton.	No prices
Italian	ton.	No prices

Talc, domestic, is quoted at the mills in bag packaging.

Tallow,[1,5] edible, tanks	lb.	.09¾- —
ined., extra, tanks	lb.	.08¾- —
special, tanks	lb.	.08½- —
Tallow, sulphonated, 35% (34% fat), dms., c.l.	lb.	.05¾- —
l.c.l.	lb.	.06¾- —
50% (48% fat), dms., c.l.	lb.	.06¾- —
l.c.l.	lb.	.07¾- —
50% (48% fat), dms., c.l.	lb.	.07¾- —
l.c.l.	lb.	.08¾- —
Tamarind, No. 1, bbls	lb.	.10 - .12
kegs	lb.	7.45 - —
Tankage, dom., fertilizer, animal, bulk, basis N.Y.	unit-ton.	4.50 & .10
grd., 9% ammon., 10% b.p.l., 10-11% ammon., 15% b.p.l., bulk, basis Chi.	unit-ton.	4.00 & .10
feeding, unground, 9-11% ammon., bulk, basis N. Y.,	unit-ton.	5.10 - —
basis Chicago	unit-ton.	5.53 - —
Tansy leaves, bls	lb.	.25 - .34
Tapioca flour, Brazil, bgs	lb.	.03¾- .06½
Java, bgs	lb.	.04¾- .07¼
Tar acid oil,[6] 16%, dms., c.l., works	gal.	.27½- —
l.c.l., same basis	gal.	.29½- —
25%, dms., c.l., works	gal.	.31½- —
l.c.l., same basis	gal.	.33½- —
Tar, pine, retort, dms., divd. E. cities	gal.	.30 - .33
tanks, divd. E. cities	gal.	.24½- —
Tarragon herb, bgs	lb.	1.70 - 1.75
Tartar emetic, tech., fine gran. or powd., bbls., kgs., 5 or more	lb.	.47¾- —
less than 5	lb.	.48 - —
dms.	lb.	.48½- .51
USP, powd., bbls	lb.	.52¾- .53
Terpin hydrate, cryst., bbls., dms.,	lb.	.70 - .72
powd., bbls., dms	lb.	.75 - .77
Terpineol, dms	lb.	.37 - .50
alpha, denat. grade, dms., c.l., works, net wght.	lb.	.17 - —
Terpinyl acetate, cns	lb.	.87 - —
dms.	lb.	.85 - —
Terra alba (see Gypsum).		
Tetrachlorethane, dms., works	lb.	.08 - .08½
Tetrachlorethylene, CP, dms	lb.	.21½- —
tech. (see Perchlorethylene).		
Tetralin, dms	lb.	.19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).		
Thallium sulphate, 99% pure, bots., works	lb.	12.50 - —
Theobromine,[6]	lb.	2.65 - —
Sodiosalicylate,[6] dms	lb.	No prices
Thiamine hydrochloride, bots., cns., 100 grams or more	gram.	.37 - —
smaller lots	gram.	.40 - —
Thiocarbanilide, dms	lb.	.24 - —
Thiourea, CP, dms	lb.	.55 - .56
Thorium, nitrate, cs., works	lb.	2.00 - —
Thyme,[1] French, bls	lb.	.89 - 1.62
Morocco, bls	lb.	.21 Nom.
Spanish, bls	lb.	.25 - .26
Thymol, cns., 25 lbs	lb.	2.75 - 3.00
Iodide, kgs., 50 lbs	lb.	3.40 - —
25 lbs	lb.	3.50 - —
Timbo root (see Cube root).		
Tin chloride, anhydrous	lb.	.43 - .43½
Crystals, bbls., bgs	lb.	.39 - .39½
Metal,[1,6] Straits	lb.	.52 - —
Oxide, bbls.	lb.	No prices
Tetrachloride, anhyd., bbls.	lb.	No prices
Titanium,[1] dioxide, bgs., c.l. (20 tons)	lb.	.14½- —
l.c.l., 5 tons, single delivery,	lb.	.14¾- —
1,000-9,999 lbs	lb.	.15 - —
50-999 lbs	lb.	.15¼- —
bbls., c.l. (20 tons)	lb.	.14¾- —
l.c.l., 5 tons, single delivery,	lb.	.15 - —
1,000-9,999 lbs	lb.	.15¼- —
50-999 lbs	lb.	.15½- —
non-chalking, bgs., c.l. (20 tons),	lb.	.16½- —
l.c.l., 5 tons, single delivery,	lb.	.16¾- —
1,000-9,999 lbs	lb.	.17 - —
50-999 lbs	lb.	.17¼- —
bbls., c.l. (20 tons)	lb.	.16¾- —
l.c.l., 5 tons, single delivery	lb.	.17 - —
1,000-9,999 lbs	lb.	.17¼- —
50-999 lbs	lb.	.17½- —
chalk-resistant, bgs., c.l. (20 tons)	lb.	.15 - —
l.c.l., 5 tons, single delivery,	lb.	.15¾- —
1,000-9,999 lbs	lb.	.15½- —
50-999 lbs	lb.	.15¾- —
bbls., c.l. (20 tons)	lb.	.15¼- —
l.c.l., 5 tons, single delivery,	lb.	.15½- —
1,000-9,999 lbs	lb.	.15¾- —
50-999 lbs	lb.	.16 - —
barium or magnesium base, bgs., c.l. (20 tons)	lb.	.05¾- —
l.c.l.	lb.	.06 - —
bbls., c.l. (20 tons)	lb.	.06 - —
l.c.l.	lb.	.06¼- —
calcium base, bgs., c.l. (20 tons),	lb.	.05½- —
calcium-rutile base, bgs., c.l. (20 tons)	lb.	.05½- —
l.c.l.	lb.	.05¾- —
bbls., c.l. (20 tons)	lb.	.05¾- —
l.c.l.	lb.	.06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses. Pacific Coast prices are ¼c. per lb. higher than the above. When shipped in barrels, prices are ¼c. per pound higher.

Titanium tetrachloride, CP, dms., works, 55 gals.	lb.	.57 - —
10-gal. dms., same basis	lb.	.65 - —
5-gal. dms., same basis	lb.	.70 - —
smaller pkgs.	lb.	.90 - 1.25
technical, dms., works, 55 gals.	lb.	.32 - —
10-gal. dms., same basis	lb.	.40 - —
5-gal. dms., same basis	lb.	.45 - —
smaller pkgs.	lb.	.65 - 1.00
Toluidin base, distilled, kgs.	lb.	.96 - —
Tolu, balsam, cns.	lb.	.85 - .95
Toluidin, mixed, dms.	lb.	.26 - —
Toluol,[2,3,6] (toluene), 2° indus., dms., returnable	gal.	.33 - —
tanks, E. of Omaha, frt. alld.,	gal.	.28 - —
W. Coast, f.o.b. Minnequa, Colo.	gal.	.28 - —
1° nitration,[6] dms., returnable,	gal.	.34½- —
tanks, E. of Omaha, frt. alld.,	gal.	.29½- —
W. Coast, f.o.b. Minnequa, Colo.	gal.	.29½- —
Tonga, NF, 50% bark and vine,	bls.	.90 - .95
Tonka beans, Angostura, cks.	lb.	2.50 - 3.00
Brazilian, Surinam, cs.	lb.	.95 - 1.10
Totaquine, USP XII, 100 gm. containers	oz.	.40 - —
25 oz. containers	oz.	.42 - —
5 oz. containers	oz.	.45 - —
smaller containers	oz.	.45 - .80
bulk	oz.	.50½- —
Triacetin, dms.	lb.	.26 - —
Triamyl borate, dms., l.c.l., works,	lb.	.33 - —
Triamylamine, dms., c.l., works,	lb.	.93 - —
l.c.l.	lb.	1.01 - —
Tributylamine, dms., c.l., works,	lb.	.78 - —
l.c.l.	lb.	.81 - —
Tributyl citrate, ton lots, 475-lb. dms.	lb.	.29 - —
single dms.	lb.	.31 - —
smaller lots	lb.	.40 - —
Phosphate, dms., l.c.l., divd.	lb.	.47 - —
cns., works	lb.	.51 - —
Trichlorobenzene, dms., c.l., frt. alld.	lb.	.08 - —
l.c.l., same basis	lb.	.08½- —
tanks	lb.	.07½- —
Trichlorethylene,[3] Zone 1, dms., c.l., works, frt. alld.	lb.	.08 - —
l.c.l., same basis	lb.	.08½- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½- —
l.c.l., same basis	lb.	.09 - —
Zone 3, c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —
Zone 4, dms., c.l., f.o.b. stock points	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Ida., Ore., Nev., Wash., Utah and Cal.

Tricresylphosphate,[3,6] CP, cns., works	lb.	.43½- .54½
dms., c.l., divd.	lb.	.37½- —
smaller lots, works	lb.	.40½- —
tech., cns., works	lb.	.28½- .45½
dms., c.l., divd.	lb.	.25 - .31
smaller lots, works	lb.	.25½- .31½
Triethanolamine, dms., c.l., works,	lb.	.19 - —
l.c.l., works	lb.	.20 - —
tanks, works	lb.	.18 - —
Triethylamine, dms., l.c.l., works,	lb.	1.16 - —
Triethyleneglycol,[6] dms., l.c.l.	lb.	.26 - —
Triethyl citrate, ton lots, 500-lb. dms.	lb.	.24 - —
single dms.	lb.	.26 - —
Triethyl phosphate, cns.	lb.	.46 - —

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Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd..lb. .90 - —
Triphenyl phosphate,[2] bbls....lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works. ton.17.50 - —
once-grd., bgs., c.l., wks.ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root (see Derris root).
Tungsten metal, powd.,[2,5] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .09½- .10
Madras, bgs.....lb. .10 - .10½
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .77½- —
l.c.l., 10 ex dock..gal. .79½- —
5 ex dock.....gal. .81½- —
wood, dest. dist., dms., dlvd., E. cities..gal. .55 - .58
tanks.....gal. .50 - —
steam-dist., dms., c.l., dlvd. gal. .64 - —
l.c.l., dlvd.....gal. .67 - —
tanks, dlvd.....gal. .59 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46%, N., bgs., 20 tons, f.o.b. Belle, W.Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
l.c.l., f.o.b. Belle, W. Va. ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
Urea, dom., 46% N, l.c.l., less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
import, 40% N., bgs., 5 tons, f.o.b. Atl. Gulf ports or Belle, W. Va., ship.....ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Ba., or Atl. Gulf ports. ton.57.40 - —
Urea-ammonia liquor, basis 45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports..ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.127.00 - —
Uva ursi leaves, bls.....lb. .25 - .27

V

Valerian root, Belgian, bls....lb. 1.45 - 1.50
Eastern, bls.....lb. 1.05 - 1.10
Valonia, beards, bgs., f.a.s..ton. No prices
cups, bgs, f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb.10.00 - —
Java, tins.....lb. 9.50 - —
Mexican, whole, tins.....lb.11.00 - —
cuts, tins.....lb.10.00 - —
Tahiti, white label, tins....lb. 6.00 - —
yellow label, tins.....lb. 5.75 - —
West Indian, tins.....lb.10.00 - —
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex-guaicol, 25-lb. tins.....lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.50 - —
ex lignin, any quantity, 25-lb. tins..lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. No prices
artificial, cs.....lb. .24 - .25
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .15 - —
l.c.l., works.....lb. .16 - —
5 gals., dms., works.....lb. .25 - —
Ether, 75 c.c. .....bot. 1.30 - —
50 c.c.....bot. .73½- —
25 c.c.....bot. .45½- —
Vitamin A (see Oils, codliver, halibut liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex (see Rice bran).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut liver).
E (see Alpha Tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic; acid, nicotinic amide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum, naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .48 - .49
tree .....lb. .28 - .29
Wattle bark, bgs., f.a.s.....ton.41.00 -43.00
Extract, solid, bgs.....lb. .04475-.0460
liquid, tanks.....lb. .05 - —
bbls. .....lb. .05¾- —
Wax, amorphous, Group 3, at refineries; 160-165, amber..lb. .15½- —
black .....lb. .14 - —
white .....lb. .26 - —
185, black, f.o.b. Tulsa, Okla., wooden bbls., 30,000 lbs. and over..lb. .10 - —
same basis, 10,000 to 30,000 lbs..lb. .11 - —
same basis, up to 10,000 lbs..lb. .12 - —
amber, same basis, 30,000 lbs. and over..lb. .12 - —
same basis, 10,000 to 30,000 lbs..lb. .13 - —
same basis, up to 10,000 lbs..lb. .14 - —
yellow, same basis, 30,000 lbs. and over..lb. .13 - .18
same basis, 10,000 lbs. and over..lb. .14 - .19
same basis, up to 10,000 lbs..lb. .15 - .20
pearl, same basis, 30,000 lbs. and over..lb. .08 - .11
same basis, 10,000 to 30,000 lbs..lb. .09 - .12
Wax, amorphous, 185, pearl, same basis, up to 10,000 lbs..lb. .10 - .13
190, black, f.o.b. Jersey City, wooden bbls., 30,000 lbs. and over..lb. .16½- —
same basis, 10,000 to 30,000 lbs..lb. .17½- —
same basis, up to 10,000 lbs..lb. .18½- —
200 amber, same basis, 30,000 lbs..lb. .19 - —
same basis, 10,000 to 30,000 lbs..lb. .20 - —
same basis, up to 10,000 lbs..lb. .21 - —
Bayberry, bgs.....lb. .25 - .26
*Bees,[1] yellow, crude, ton lots or more, bgs., f.o.b. N. Y.:—
Central & S. A., sun-bleachable, same basis. lb. .4475- —
unbleachable, same basis. lb. .4150- —
African, sun-bleachable, or nonsun-bleachable, same basis..lb. .3750- —
Refined, USP, slabs, same basis..lb. .5250- —
bricks, same basis.....lb. .5350- —
discs, same basis.....lb. .5550- —
5-lb. ctns., same basis.lb. .5650- —
2-lb. ctns., same basis.lb. .5750- —
1-lb. ctns., same basis.lb. .5850- —
rounds, or squares, same basis..lb. .5750- —
5-lb. ctns., same basis.lb. .5850- —
2-lb. ctns., same basis.lb. .5950- —
1-lb. ctns., same basis.lb. .6050- —
Wax, bees, bleached, sun or chemical, USP, same basis., lb. .5700- —
bricks, same basis.....lb. .5800- —
discs or cakes, same basis lb. .6000- —
5-lb. ctns., same basis.lb. .6100- —
2-lb. ctns., same basis.lb. .6200- —
1-lb. ctns., same basis.lb. .6300- —
*Candelilla, crude, one ton or more, bgs., f.o.b. N.Y...lb. .3800- —
refined, bgs., same basis...lb. .4400- —

Note—For prices on powdered candelilla wax, add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 5½c.; 100-200 mesh, 6c.

*Carnauba,[1] ton or more, bgs., f.o.b. N.Y.—
Yellow, No. 1, same basis..lb. .8325- —
No. 2, same basis.....lb. .8125- —
No. 3, same basis.....lb. .7900- —
North Country, No. 2, same basis..lb. .7575- —
No. 3, same basis.....lb. .7350- —
Chalky, No. 3, same basis.lb. .7125- —
Refined, No. 3 North Country, same basis..lb. .7675- .8000

Note—For prices on powdered carnauba wax, add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 5½c.; 100-200 mesh, 6c. per lb.

Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
130°-160° m.p., bgs., 1 ton..lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., 1 ton..lb. .16½- .17
jobbing lots.....lb. .17½- .18
Wax, Japan, cs.....lb. No stocks
Montan, bgs.....lb. .45 - .46
*Ouricury, 1-ton lots or more, bgs., f.o.b. N.Y..lb. .4850- .5175
refined, bgs., same terms..lb. .6200- —

Note—For prices on powdered ouricury wax, add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 5½c.; 100-200 mesh, 6c.

Ozokerite, import, hard, green, congeal, p. 66°-68° C., bgs. lb. No stocks
70°-72° C., bgs.....lb. No stocks
74°-76° C., bgs.....lb. No stocks
snow-white, pure, 76°-78° C., bgs..lb. No stocks
yellow, natural, 76°-78° C., bgs..lb. No stocks
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28

* Note—On single sales of carnauba candelilla and ouricury waxes in less than ton lots, the following additions to maximum prices above may be made:—200 lbs. to 1 ton, 1c. per lb.; more than 100 lbs. and not less tran 200 lbs., 3c. per lb.; 50 to 100 lbs., 5c.; and 1 to 49 lbs., 10c.

White lead (see Lead, white).
White pine bark, rossed, bls..lb. .08 - .09
White precipitate,[2] powd., dms., 50 lbs. or more..lb. 2.84 - —

ONLY 118,300,000 BACTERIA PER GLASS

If milk is improperly cooled at the farm or if milking machines and cans are not kept scrupulously clean, bacteria count rises alarmingly. Milk delivered to receiving stations with a bacteria count over 500,000 per cubic centimeter sours prematurely . . . is not worth pasteurizing!

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BOSTON 150 Causeway St. | SAN FRANCISCO 517 Howard St. | NEW ORLEANS Masonic Temple Bldg.
PROVIDENCE 15 Westminster St. | CHARLOTTE 201-203 W. First St. | CHATTANOOGA James Bldg.
CHICAGO 357 W. Erie St. | GREENSBORO Jefferson Standard Bldg. | PORTLAND, ORE. 730 West Burnside
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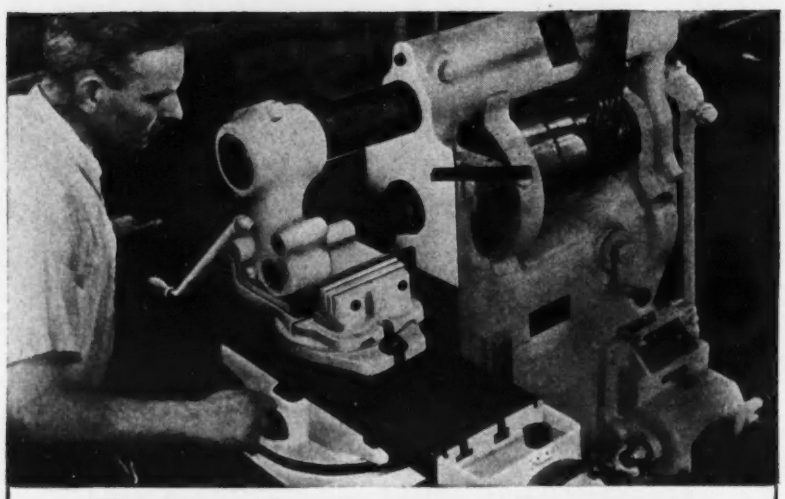
BRANCHES AND DISTRIBUTORS THROUGHOUT THE WORLD

INSIDE NEWS

DECEMBER PREPARED BY NATIONAL CAN CORPORATION, NEW YORK, N. Y. 1942

"Three-Dimensional-Seeing" Technique Developed by Du Pont

Light-Colored Machinery and Plant Interiors Cut Industrial Accident Rate



AFTER the body of the machine is painted with Horizon Gray and the working surfaces with a contrasting hue, such as Spotlight Buff, the "camouflage" is removed and the material being worked stands out in sharp contrast.

"Three-Dimensional Seeing," a technique of using color and light to improve vision of machine tool operations, was introduced a year ago. So rapidly did industry adopt the idea that a three-year research program conducted by the Philadelphia Electric and Du Pont Companies was continued indefinitely. Last month before the Illuminating Engineering Society latest research results were announced.

Since the new findings are an extension of the original "Three-Dimensional Seeing" idea, it is advisable first to describe briefly what the 1941 concept was and what it aimed to accomplish.

Du Pont and Philadelphia Electric found from controlled tests under shop conditions that conventionally painted machinery provided a dangerous degree of camouflage. Dark finish coats absorb illumination instead of reflecting it. Material under fabrication blends into the dark mass of machinery, placing a heavy strain on workers' eyesight. The percentage of rejects was needlessly high. Danger points were all too inconspicuous.

Operator time-study and psychology test data were correlated with photometric readings of light reflected from machines painted in many combinations of bright, contrasting paint colors. It was recommended, as a result, that machines should be finished in light gray with working areas spotlighted with light buff.

Subsequent trial by industry bore out claims that this paint system reduced personal injuries, increased production, created more comfortable working conditions and improved morale.

The new phase of the better vision program through scientific use of light and paint colors is based on the fact that many well designed plant lighting systems are robbed of efficiency by dull walls, ceilings and floors.

Research revealed that these surfaces could be finished with paints having much higher reflection qualities than previously was thought practical. In this way, illumination may often be doubled without altering existing facilities or increasing electric consumption. The entire interior becomes a giant reflector, and light rays instead of turning up their toes and dying on dark surfaces will bounce back and forth, doing their job over and over again.

For example, a white ceiling (reflection factor 90 per cent), ivory walls (75 per cent), a dado of green enamel (68 per cent), and a white floor stippled with brown (70 per cent) provide seeing conditions greatly over the average. Injuries decline, production improves and operators appreciate their cheerful surroundings. (235)

From Melon Patch to Ice Cream Freezer

Zucca melons provide the basis for a unique British Columbia food industry. The melons are peeled and cut up into small pieces, which are packed into barrels. Sulphurous acid is poured into the barrels through the bungholes and the barrels are stored outside for a period of about ten days. They are then brought into the processing plant and stored for shipment.

The processed melons are sold to manufacturers and ultimately make their appearance in various colors and forms in tutti-frutti ice cream, in cake mixes, and in fruit cake sold by bakers.

The melons are grown in the boundary country around Osoyoos at the southern end of the Okanagan valley. The average weight of the melons is 40 to 50 pounds. (236)

Tests Oil From Po-Yok Trees

Further research into the properties of oil from the kernels of the po-yok tree has been made by the Imperial Institute with the assistance of research workers representing British paint and varnish manufacturers, reports the British trade press. Oil from the po-yok tree, which is native to tropical West Africa, is very closely related to citicica—so far the most successful commercial substitute for tung.

Tests indicate that po-yok oil has valuable properties for making paints and varnishes. The products are not equal to those made from tung, but generally are superior to those made from linseed oil, it is stated.

It is thought that Sierra Leone could ship 100 tons of po-yok kernels annually. While ordinarily this quantity would be of little commercial interest, under war conditions it merits consideration. (237)

Argentina Forms Edible Oil Industry

Cut off from her sources of olive oil by the war, Argentina has formed its own edible oil industry. Olive oil formerly was imported from Spain and Italy, but oil from sunflower seeds, peanuts and cottonseed is being used as a substitute. The number of workers now engaged in the Argentina edible oil industry is 123 percent higher than in 1937 and wages are 165 percent higher. (238)

* * * * *

Camphor trees, a Korean-Japanese monopoly, are being planted in California to supplement production here of synthetic camphor.

Whiting, chalk, dry-grd., c.l.	ton.	18.00 - 22.00
l.c.l.	ton.	20.00 - 24.00
wet-grd., c.l.	ton.	21.00 - 25.00
gilders, bolted, c.l.	ton.	20.00 - 24.00
l.c.l.	ton.	21.00 - 24.00
extra bolted, c.l.	ton.	22.00 - 26.00
l.c.l.	ton.	23.00 - 27.00
Paris white, c.l.	ton.	24.00 - 28.00
l.c.l.	ton.	25.00 - 29.00
Limestone, airfloated, 99¾%, 250 mesh, c.l.	ton.	9.35 - 10.10
200 mesh, c.l.	ton.	8.60 - 9.50
90%, 200 mesh, c.l.	ton.	6.25 - 7.00
water-floated, gilders' putty grade, c.l.	ton.	12.00 - 13.00
l.c.l.	ton.	13.00 - 16.00
dry ground, 325 mesh, 40 tons, f.o.b. New England plant	ton.	6.00 - —
l.c.l., up to 5 tons, same basis	ton.	7.00 - —
less than 5 tons, same basis	ton.	9.00 - —
Wild cherry bark, thick, natural, bls.	lb.	.05¼- 06
rossed, bls.	lb.	.15 - 18
thin, natural, bls.	lb.	.09½- .10
rossed, green, bls.	lb.	.12 - 15
Wild indigo root, bls.	lb.	.22 - .23
Witch-hazel extract, dist., NF, bbls.	gal.	.72 - .75
leaves, bls.	lb.	.07 - .09
Witherite (see Barium carbonate, natural).		
Woodflour, dom., 40 mesh, c.l., f.o.b. North Tonawanda, N.Y.,	ton.	20.00 - —
60 mesh, same basis	ton.	24.00 - —
80 mesh, same basis	ton.	27.00 - —
100 mesh, same basis	ton.	30.00 -32.00
Bags, extra, 25c. each; must be returned for credit. Carload freight to New York, N. Y., 29c. per 100 lbs.		
import, 70 mesh, bgs., ex dock,	ton.	No prices
80 mesh, bgs., ex dock	ton.	No prices
100 mesh, bgs., ex dock	ton.	No prices
120 mesh, bgs., ex dock	ton.	No prices
Wormseed, American, bgs.	lb.	.08 - .09
Levant, bgs.	lb.	No prices
Wormwood, bls.	lb.	.60 - .60

X

Xylene (see Xylol).		
Xylol,[3,5,6] (xylene), indus., dms., returnable, works.	gal.	.32 - —
tanks, E. of Omaha, frt. alld.,	gal.	.27 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo.	gal.	.27 - —
10°, dms., returnable, works.	gal.	.35 - —
tanks, E. of Omaha, frt. alld.,	gal.	.30 - —
Xylol, 5°, dms., returnable, works.	gal.	.42 - —
tanks, E. of Omaha, frt. alld.,	gal.	.37 - —
8°, dms., returnable, works.	gal.	.47 - —
tanks, E. of Omaha, frt. alld.,	gal.	.42 - —
Xylidin, mixed, dms.	lb.	.35 - .36

Y

Yara yara, cryst., cns.	lb.	1.60 - 1.65
Yellow, arsenic[3] sulphide, dom., bbls., f.o.b. New York	lb.	.52 - .55
bottles, same basis	lb.	.60 - .64
imp., bbls., same basis	lb.	.20 Nom.
Benzidine, bbls., dlvd.	lb.	1.25 - 2.25
Cadmium, CP, import, bxs.	lb.	1.35 - 1.40
lithopone, primrose, lemon, golden and standard orange, ton lots, bbls.	lb.	.55 - —
400-2,000 lbs., bbls.,	lb.	.60 - —
100-300 lbs., pkgs.	lb.	.65 - —
Yellow cadmium lithopone prices are f.o.b. Balto. or whse. points, transportation prepaid or allowed E. of Rockies.		
sulphide, orange kegs or cases, works.	lb.	1.10 Nom.
Yellow, chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.16 - —
Chrome yellow, CP, prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1½c.; Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
Dutch, pink, bbls.	lb.	.09 - .11
Hansa bbls., same basis chrome.	lb.	1.37 - —
primrose shade, bbls., same basis chrome.	lb.	1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs.	lb.	2.87 - —
smaller lots.	lb.	2.89 - —
Ocher, American, golden, bbls., works.	lb.	.04½- .06¼
yellow, bbls, works.	lb.	.02 - .02¼
French type, bbls., c.l.	lb.	.0345- —
l.c.l.	lb.	.0365- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton.	lb.	.04½- —
l.c.l., same basis	lb.	.05 - —

BY NATIONAL CAN

DECEMBER PREPARED BY NATIONAL CAN CORPORATION, NEW YORK, N. Y. 1942

Hydro-Cooler in Action

Hydro-Cooler Increases Shipping Range of Farm Produce

Top quality fruits and vegetables aren't top grade when the consumer opens the can in her kitchen unless the canner has been able to hold the time between harvesting and processing to a few short hours. The shorter the time, the higher the quality of the canned product. Ordinarily that means that canning plants must not be more than a maximum of 25 or 30 miles away from the fields or orchards.

Science is changing that. In the Pacific Northwest progressive growers have found out how they can ship some canning fruits and vegetables as far away as 250 miles with the assurance that they will reach the canner in A-1 condition. This is accomplished by hydro-cooling equipment which chills the produce to a point where it will not deteriorate in transit. A box-like device about 20 feet long, through which a conveyor moves, the Hydro-Cooler can chill asparagus with a field temperature of from 65° to 70° to 34° in 12 minutes. Ice is placed in the bottom of the cooler. As the produce moves slowly through it, a pump sends water over perforated baffles to spray the fruit or vegetable being cooled. The water is then returned to the bottom of the cooler for re-use. Pump capacity is 3,000 gallons per minute.

Hydro-cooled and properly shipped, produce reaches the distant processing plant in prime condition for canning. The advantage of being able to extend the radius of the source-of-supply area in wartimes, when growers of canning crops are handicapped by labor shortages, is one that few canners will fail to appraise properly. (239)

* * * * *

Men in the armed forces of the United States like their food well seasoned, judging from the vast quantities of salt and condiments purchased by the Quartermaster Corps. In recent purchases, the Jersey City Quartermaster Depot acquired 30,000,000 lb. of table salt; 1,800,000 lb. of black pepper; 3,600,000 lb. of prepared mustard, English type; and large quantities of dry mustard, the latter in 4-oz. cans for overseas shipment.

New Safety Solvent Cleans Army Rifles

A new hand-wiping safety solvent which is to be marketed as a safety replacement for naphtha, gasoline and kerosene in removing cosmoline out of rifles issued to troops, has recently been developed. The new solvent is also applicable for wide industrial use as a naphtha substitute for grease cleaning and hand-wiping operations in ordnance factories or shell plants.

The new solvent is described as a unique safety solvent because in spite of its high solvency against mineral oil or dirt, it does not de-oil the skin, has no toxic vapors, no flash or fire point, and leaves no invisible rust-preventative film so thin it cannot be detected. It is said to quickly lubricate and preserve wet metal surfaces from rust. (240)

Here It Is! This is synthetic rubber being taken off a moving belt and piled ready for shipment at one of the rubber plants of the Standard Oil Company. Less than twenty-four hours before this picture was made this same rubber for the most part was just so much petroleum refinery gas. Thanks, however, to some twelve years of pioneer experimental work and constant research, Standard's petroleum technologists learned how to convert these products into a synthetic rubber which will do its part to supply a nation whose natural rubber supplies have been cut off by Japanese conquests. (241)

* * * * *

There are 1,800 fats and oils, not counting petroleum and perfume essential oils. Of these, 30 are essential in war and industry.

Technical Topics

FERRIC SULPHATE is now used to restore the shine to brass. (242)

SULFA DRUGS, nemesis of so many bacterial diseases of men, didn't bother insects in recent tests to find its value as an insecticide. (243)

METHYL CELLULOSE is finding use in cosmetic products such as tooth paste, shaving cream, hand lotions and waving fluids (244)

GLUE volume may be increased through the addition of twenty-five percent of a new pulverized material. Glues containing the extender are also stated to flow freely. (245)

SOYBEAN and other semi-drying oils may be heated with a polyhydric alcohol and a polycarboxylic acid for the preparation of oxidizing alkyd resins by a method described in a recent United States patent. An acidic natural resin and fatty acids are employed to facilitate the combination of the oil and the resin molecules upon their formation. Solutions of the resins and a drier in mineral spirits produce films which dry hard and tough overnight. (246)

BLUE PHTHALOCYANINE is declared to be converted to a green or even yellowish-green pigment by the addition of oxazol, thiazol, or imidazol groups to the benzene nuclei of the original compound, according to a recent United States patent. The green shades are clear and fast, it is added, and were found to be suitable for use as printing pigments. (247)

BITUMEN DISPERSIONS may be economically coated on the inside surfaces of pipes to provide interior anti-corrosive coatings by an electrolytic method described in a recent British patent. Basis of the coating method was discovered when it was found that an electric current passing between two metal electrodes dipped into an aqueous bitumen dispersion caused the negatively-charged bitumen micelles to migrate to the anode and accumulate thereon as a gelatinous paste. (248)

LINSEED OIL—A new drying oil produced from linseed oil and intended as a replacement product for chinawood oil has been developed recently. In varnish cooking it is said to polymerize practically as fast as chinawood oil, and to dry hard and glass-like overnight when combined in protective coatings. (249)

Every effort will be made to furnish additional information on these articles. Where such information is not obtainable, we will refer inquirers to the original source of the article. Write to National Can Corp., 110 E. 42nd Street, New York City. Please mention the number at end of article—also name of the magazine you saw it in.

(Advertisement)

Yellow, oxide, synth., bbls., c.l., works..lb. .07 - —
l.c.l., same basis.....lb. .071 - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .15 - —
open order.....lb. .15 - —
Navy specifications type, contracts..lb. .15 - —
open order.....lb. .15 - —
Yellow dock root, dom., bls...lb. .16 - .23
Yellow root (xanthorisa), bls...lb. .11 - .13
Yerba santa leaves, bls.....lb. .15 - .16
Yohimbine hydrochloride, vis..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .25 - —
less than 1,000 lbs., works..lb. .30 - —
Zinc, [1,6,5] Metal (see Paint market).
acetate, tech., bbls., dlvd....lb. .16 - .17
USP, bbls., 250 lbs.....lb. .27 - —
Arsenite, kgs., 100 lbs.....lb. .29 - —
E. of Rockies..lb. .12 - —
l.c.l. .....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .20
USP, precip., powd., bbls..lb. .22½- —
25-lb. dms.....lb. .27½- —
kgs. .....lb. .24½- —

Zinc, chloride, tech., fused, dom., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works.... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
USP, 100-lb. dms.....lb. .80 - .81
25-lb. jars.....lb. .86 - —
solut., 50%, dms., c.l., works. lb. .0815- —
l.c.l., works.....lb. .04½- .04¼
tanks, works.....lb. .0250- —
Chromate (see Yellow Zinc Chromate).
Cyanide, kgs., works.....lb. .83 - .87
Dust, bbls., c.l., dlvd.....lb. .1038- —
l.c.l., f.o.b. works.....lb. .1155- —
Fluoride, bbls.....lb. .25 - .30
Iodide, NF, bots.....lb. 4.54 - —
jars .....lb. 4.40 - —
Metal (see daily quotations in Market report).
Oxide,[2] pigment, dom., acidular type, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .07½- —
bbls., c.l., dlvd.....lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —
American process, lead-free, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .07½- —
bbls., c.l., dlvd....lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —

Zinc, oxide, Amer. process, leaded, 5%, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —
bbls., c.l., dlvd....lb. .07¾- —
l.c.l., dlvd.....lb. .07¾- —
35% or more, bgs., c.l., dlvd..lb. .07 - —
l.c.l., dlvd.....lb. .07¼- —
bbls., c.l., dlvd.....lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
Prices on West Coast ½c. per lb. higher.
French process, com'l, lead free, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
bbls., c.l., dlvd....lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —
green seal, bgs., c.l., dlvd., lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
bbls., c.l., dlvd....lb. .09½- —
l.c.l., dlvd.....lb. .09½- —
red seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd.....lb. .08¾- —
bbls., c.l., dlvd....lb. .08¾- —
l.c.l., dlvd.....lb. .09 - —
white seal, bgs., c.l., dlvd. lb. .09½- —
l.c.l., dlvd.....lb. .09¾- —
bbls., c.l., dlvd....lb. .09¾- —
l.c.l., dlvd.....lb. .10 - —

Zinc, oxide, imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse. lb. No prices
white seal, cks., ex whse.lb. No prices
USP, c.l., 50-lb. bgs.....lb. .10½- —
Zinc oxide prices in l.c.l. are ½c. higher.

Lead-free add 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb. higher ex whse. Pac. Cst.; 50% leaded is 5.6c. per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.....lb. .32 - .33
Resinate, fused, pale, bbls...lb. .11 - .12
precip., dms., dlvd.....lb. .15 - —
Silicofluoride, bbls.....lb. .15 - .16
Stearate, tech., precip., or USP, ton lots..lb. .30 - —
less than ton lots.....lb. .31 - .33
Sulphate, cryst., bgs., c.l.... 100 lbs. 3.60 - —
l.c.l. .....100 lbs. 4.35 - —
bbls., c.l.....100 lbs. 3.85 - —
l.c.l. .....100 lbs. 4.60 - —
flake, bgs., c.l.....100 lbs. 4.10 - —
l.c.l. .....100 lbs. 4.85 - —
bbls., c.l.....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 4.80 - —
powd., bgs., c.l.....100 lbs. 5.80 - —
l.c.l. .....100 lbs. 6.55 - —
bbls., c.l.....100 lbs. 6.05 - —
l.c.l. .....100 lbs. 6.80 - —

Zinc, sulphide,[1] pure, bgs., c.l. (20 tons), dlvd.	lb.	.08¼- —
l.c.l., dlvd.	lb.	.09½- —
bbls., c.l. (20 tons), dlvd.	lb.	.08½- —
l.c.l.	lb.	.09¾- —
barium, pigment, bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
calcium pigment, bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
magnesium, pigment, bgs., c.l., dlvd.	lb.	.05¾- —
l.c.l., dlvd.	lb.	.06 - —
Yellow (See Yellow, Zinc)		
Zinc sulphide delivered to Pac. Cst. is ¼c. per lb. higher for the pure and ½c. for the others.		
Sulphocarbolate, NF, bbls., dms.	lb.	.24 - .25
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.65 - —
l.c.l., works.	100 lbs.	6.70 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd., E. of Rockies.	lb.	.06¼- —
dlvd., Pac. cst.	lb.	.06½- —
ex whse., Pac. cst.	lb.	.07 - —
Zinc yellow, chrome (see Yellow, zinc)		
Zirconium nitrate, kgs., works.	lb.	3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works.	ton.	75.00 -100.00
white, 98%, grd., kgs., works.	lb.	1.80 - 2.00

72d—OPD—Year

Chlorine Allocation Made Complete

—Continued from page 5

tion by WPB. Exempt from these restrictions are users of 2,000 pounds or less per month, and delivery and use of chlorine for water purification and sewage treatment, so long as inventories are not more than 30 days' supply. Experience with the present order showed that 62 per cent of the consumers used less than 2,000 pounds of chlorine per month, and that this 62 per cent used less than 0.26 per cent of all the chlorine used. Purchasers under this exception must file a certificate with their supplier.

Under the amended order purchasers must place their orders with distributors by the fifth of each month, and with producers by the tenth of each month. Forms PD-190 and PD-191 (revised) are to be used in applying for authorization under the order.

Chlorine was one of the first chemicals to be placed under conservation order control. It is used in manufacturing many important chemicals, in various forms as a bleaching agent (especially in paper and textiles), in chemical warfare, decontamination, manufacture of explosives, water and sewage treatment, and a variety of other important uses. There are no adequate substitutes for most uses.

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

A

Abalyn (methyl abietate), c.l., returnable black iron dms., f.o.b. cars, destination, zone 1.	lb.	.0722- —
l.c.l., lots of 10 dms., same basis.	lb.	.0847- —
single dms., same basis.	lb.	.0947- —
smaller lots, same basis.	lb.	.1447- —
Aristowax 160-165 A.M.P., f.o.b. refinery San Francisco, c.l.,	lb.	.14 - —
Aroclors, distilled, dms., c.l., works.	lb.	.23 - —
ton lots, works.	lb.	.25 - —
single dms., works.	lb.	.27 - —
undistilled, dms., c.l., works.	lb.	.18 - —
ton lots, works.	lb.	.20 - —
single dms., works.	lb.	.22 - —

B

Bakelite, alkyd resins, BR, 10035, bbls., 30,000 lbs., works.	lb.	.23 - —
15,000 lbs., works.	lb.	.23½- —
5,000 lbs., works.	lb.	.29 - —
carbic anhydride base, oil modified, BR, 14590, 30,000 lbs., works.	lb.	.26 - —
15,000 lbs., works.	lb.	.26½- —
5,000 lbs., works.	lb.	.27 - —
Bakelite resin modified BR., 13202, bbls., 30,000 lbs., works.	lb.	.15 - —
15,000 lbs., works.	lb.	.15½- —
5,000 lbs., works.	lb.	.16 - —
dispersion resin, BK, 3962, dms., 30,000 lbs. works.	lb.	.2770- —
15,000 lbs., works.	lb.	.2820- —
5,000 lbs., works.	lb.	.2870- —
lacquer, BR, 9866, dms., 30,000 lbs., works.	lb.	.18½- —
15,000 lbs., works.	lb.	.19 - —
5,000 lbs., works.	lb.	.19½- —
XJ, 10433, dms., 30,000 lbs., works.	lb.	.37 - —
15,000 lbs., works.	lb.	.37½- —
5,000 lbs., works.	lb.	.38 - —
XK, 14504 dms., 30,000 lbs., works.	lb.	.33 - —
15,000 lbs., works.	lb.	.33½- —
5,000 lbs., works.	lb.	.34 - —
single dm., works.	lb.	.34½- —
less than dm, works.	lb.	.35½- —
	lb.	.38½- —
XR, 3180, dms., 30,000 lbs., works.	lb.	.45 - —
15,000 lbs., works.	lb.	.45½- —
5,000 lbs., works.	lb.	.46 - —
Bakelite, lacquer, HR, 4357, dms., 30,000 lbs., works.	lb.	.45 - —
15,000 lbs., works.	lb.	.45½- —
5,000 lbs., works.	lb.	.46 - —
phenolic, 100%, BR, 254, bbls., 20,000 lbs., works.	lb.	.33 - —
15,000 lbs., works.	lb.	.33½- —
5,000 lbs., works.	lb.	.34 - —
3260, bbls., 30,000 lbs., works.	lb.	.36 - —
15,000 lbs., works.	lb.	.36½- —
5,000 lbs., works.	lb.	.37 - —
4036, bbls., 30,000 lbs., works.	lb.	.37 - —
15,000 lbs., works.	lb.	.37½- —
5,000 lbs., works.	lb.	.38 - —
9432, bbls., 30,000 lbs., works.	lb.	.31 - —
15,000 lbs., works.	lb.	.31½- —
5,000 lbs., works.	lb.	.32 - —
9434, bbls., 30,000 lbs., works.	lb.	.25½- —
15,000 lbs., works.	lb.	.26 - —
5,000 lbs., works.	lb.	.26½- —
10282, bbls., 30,000 lbs., works.	lb.	.32 - —
15,000 lbs., works.	lb.	.32½- —
5,000 lbs., works.	lb.	.33 - —
14634, bbls., 30,000 lbs., works.	lb.	.30 - —
15,000 lbs., works.	lb.	.30½- —
5,000 lbs., works.	lb.	.31 - —
oil modified, BR, 302, bbls., 30,000 lbs., works.	lb.	.3460- —
15,000 lbs., works.	lb.	.3510- —
5,000 lbs., works.	lb.	.3560- —
2173, cns., 30,000 lbs., works.	lb.	.33 - —
15,000 lbs., works.	lb.	.33½- —
5,000 lbs., works.	lb.	.39 - —
resin modified, BR, 2963, bbls., 30,000 lbs., works.	lb.	.22 - —
15,000 lbs., works.	lb.	.22½- —
5,000 lbs., works.	lb.	.23 - —
11504, bbls., 30,000 lbs., works.	lb.	.18 - —
15,000 lbs., works.	lb.	.18½- —
5,000 lbs., works.	lb.	.19 - —

C

"Cumar" resin, AX	lb.	.06¼- —
BX	lb.	.06¼- —
CX, gross weight	lb.	.05¾- —
DX, gross weight	lb.	.05¼- —
EX, gross weight	lb.	.05¼- —
FX, gross weight	lb.	.05¾- —
Cumar, MH col. 1	lb.	.11¾- —
1½-2	lb.	.10¾- —
2½-3½	lb.	.09¾- —
9	lb.	.06¼- —
MS	lb.	.10¾- —
Cumar, P 10°-90° C., col. 2½ and darker	lb.	.10¾- —
RH	lb.	.10¾- —
RS	lb.	.10¾- —
V col. ½	lb.	.12¾- —
1	lb.	.11¾- —
1½-2	lb.	.10¾- —
2½ and darker	lb.	.09¾- —
W col. ½	lb.	.13½- —
1	lb.	.12½- —
1½-2	lb.	.11½- —
2½ and darker	lb.	.10½- —

"Cumar" resin prices apply in dms., f.o.b. Frankford, Pa., freight equalized with Pittsburgh.

D

Durite, 1301, pale, one drum and over.	lb.	.29 - —
smaller lots.	lb.	.30 - —

Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, alkyd solution, A, c.l., dlvd.	lb.	.15½- —
10 dms. or more, dlvd.	lb.	.16 - —
9 dms. or less, dlvd.	lb.	.16½- —
B, c.l., dlvd.	lb.	.15 - —
10 dms. or more, dlvd.	lb.	.15½- —
9 dms. or less, dlvd.	lb.	.16 - —
E, c.l., dlvd.	lb.	.16 - —
10 dms. or more, dlvd.	lb.	.16½- —
9 dms. or less, dlvd.	lb.	.17 - —
H-1, c.l., dlvd.	lb.	.19 - —
10 dms. or more, dlvd.	lb.	.19½- —
9 dms. or less, dlvd.	lb.	.20 - —
PV, c.l., dlvd.	lb.	.16¾- —
10 dms. or more, dlvd.	lb.	.17¼- —
9 dms. or less, dlvd.	lb.	.17¾- —
11, c.l., dlvd.	lb.	.16 - —
10 dms. or more, dlvd.	lb.	.16½- —
9 dms. or less, dlvd.	lb.	.17 - —
23, c.l., dlvd.	lb.	.13 - —
10 dms. or more, dlvd.	lb.	.13½- —
9 dms. or less, dlvd.	lb.	.14 - —
23-B, c.l., dlvd.	lb.	.10½- —
10 dms. or more, dlvd.	lb.	.11 - —
9 dms. or less, dlvd.	lb.	.11½- —
33, c.l., dlvd.	lb.	.15½- —
10 dms. or more, dlvd.	lb.	.16 - —
9 dms. or less, dlvd.	lb.	.16½- —
44, c.l., dlvd.	lb.	.15 - —
10 dms. or more, dlvd.	lb.	.15½- —
9 dms. or less, dlvd.	lb.	.16 - —
44-B, c.l., dlvd.	lb.	.15 - —
10 dms. or more, dlvd.	lb.	.15½- —
9 dms. or less, dlvd.	lb.	.16 - —
Esterol, alkyd solut., 55, c.l., dlvd.	lb.	.15½- —
10 dms. or more, dlvd.	lb.	.16 - —
9 dms. or less, dlvd.	lb.	.16½- —
342, c.l., dlvd.	lb.	.16½- —
10 dms. or more, dlvd.	lb.	.17 - —
9 dms. or less, dlvd.	lb.	.17½- —
640-N, c.l., dlvd.	lb.	.15½- —
10 dms. or more, dlvd.	lb.	.16 - —
9 dms. or less, dlvd.	lb.	.16½- —
660-N, c.l., dlvd.	lb.	.15 - —
10 dms. or more, dlvd.	lb.	.15½- —
9 dms. or less, dlvd.	lb.	.16 - —
750, c.l., dlvd.	lb.	.17 - —
10 dms. or more, dlvd.	lb.	.17½- —
9 dms. or less, dlvd.	lb.	.18 - —
830, c.l., dlvd.	lb.	.17 - —
10 dms. or more, dlvd.	lb.	.17½- —
9 dms. or less, dlvd.	lb.	.18 - —
1800, c.l., dlvd.	lb.	.15 - —
10 dms. or more, dlvd.	lb.	.15½- —
9 dms. or less, dlvd.	lb.	.16 - —
1825, c.l., dlvd.	lb.	.17½- —
10 dms. or more, dlvd.	lb.	.18 - —
9 dms. or less, dlvd.	lb.	.18½- —
2185, c.l., dlvd.	lb.	.15 - —
10 dms. or more, dlvd.	lb.	.15½- —
9 dms. or less, dlvd.	lb.	.16 - —
2195, c.l., dlvd.	lb.	.16 - —
10 dms. or more, dlvd.	lb.	.16½- —
9 dms. or less, dlvd.	lb.	.17 - —
2600, c.l., dlvd.	lb.	.18 - —
10 dms. or more, dlvd.	lb.	.18½- —
9 dms. or less, dlvd.	lb.	.19 - —
2633, c.l., dlvd.	lb.	.14½- —
10 dms. or more, dlvd.	lb.	.15 - —
9 dms. or less, dlvd.	lb.	.15½- —

Salt Spray Test a Nightmare?

RUST PROOF with BAKED VELSICOL AF-3

Provides ample rust protection to bare iron and steel surfaces by spraying or brushing. Excellent substitute for chrome rust inhibitors. Not only can you GET Velsicol AF-3 on allocation at this time—you'll *save money* also, while providing a weatherproof finish that lasts. Velsicol AF-3 is a quick drying, inert, heat resistant hydrocarbon resin. Polymerizes at 250° to 400°F. (in the presence of air) to form films increasingly durable, insoluble and infusable as baking proceeds. When unpolymerized, it is soluble in ordinary naphthas. SAMPLES ON REQUEST.

VELSICOL

VELSICOL CORPORATION

General Offices: 120 E. PEARSON ST., CHICAGO, ILLINOIS

Esterol, alkyd solut., 2728, c.l., dlvd..lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
2775-BS, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
4040, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —

F

Flexalyn solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1.....lb. .1222- —
l.c.l., 10 dms., same basis..lb. .1297- —
single dms., same basis..lb. .1447- —
smaller lots, same basis..lb. .1947- —
Flexalyn C solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1147- —
10 dms., same basis.....lb. .1222- —
single dms., same basis...lb. .1372- —
smaller lots, same basis...lb. .1872- —

G

G, resin, dms., gross weight, works..lb. .08 - —
Guai-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.83 - —
dms. (dm. deposit $0.00), works, gal. 2.47 - —

H

Hercolyn (hydrogenated methyl abietate), returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1122- —
l.c.l., lots of 10, same basis.lb. .1247- —
single dms., same basis...lb. .1347- —
smaller lots, same basis.lb. .1847- —

K

Kadox (zinc oxide), East of Pacific Coast:—
Nos. 15, 17 and 73, bgs., c.l., dlvd. .....lb. .07¼- —
Nos. 15, 17 and 72, bbls., c.l., dlvd. .....lb. .07½- —
l.c.l., dlvd., bgs.....lb. .07½- —
l.c.l., dlvd., bbls.....lb. .07¾- —
No. 25, bgs., c.l., dlvd....lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¾- —
l.c.l., bgs., dlvd.....lb. .09¾- —
l.c.l., bbls., dlvd.....lb. .09 - —
Pacific Coast prices ½c. per lb. higher; l.c.l. prices ex warehouse.
Krumbhaar, Maleic 404, 1 to 9 dms..lb. .17½- —
10 dms.....lb. .17 - —
carloads or truckloads...lb. .16½- —
Maleic 414, 1 to 9 drums..lb. .17½- —
10 drums.....lb. .17 - —
carloads or truckloads....lb. .16½- —
Phenolic 506, 1 to 9 drums..lb. .17½- —
10 drums.....lb. .17 - —
carloads or truckloads....lb. .16½- —
Phenolic 555, 1 to 9 drums..lb. .17½- —
10 drums.....lb. .17 - —
carloads or truckloads....lb. .16½- —
Synthetic Copal 909, 1 to 9 drums..lb. .19½- —
10 drums.....lb. .19 - —
carloads and truckloads....lb. .18½- —

L

Lewisol resin, 2 L, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1.....lb. .16½- —
l.c.l., 10 dms., same basis..lb. .17 - —
1 dm., same basis.....lb. .17½- —
smaller lots, same basis.....lb. .22½- —
Lewisol resin prices are f.o.b. cars, New England States, Middle Atlantic States, Va., W.Va., N.C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo. Cost of non-returnable dms. is included in the price in each instance.
LM-Nypene resin, dms., works..lb. .25 - —
Lewisol resin 28, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1.....lb. .16½- —
10 dms., same basis.....lb. .17 - —
1 dms., same basis.....lb. .17½- —
smaller lots, same basis....lb. .22½- —
33, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —
10 dms., same basis.....lb. .17 - —
1 dm., same basis.....lb. .17½- —
smaller lots, same basis....lb. .22½- —

M

Myristilene, f.o.b., Boston, 400 lbs., dms..lb. .20 - —
same basis, 200 lb. dms....lb. .23 - —
50 lb. dms.....lb. .25 - —
10 lb. cns.....lb. .30 - —
2 lb. samples.....lb. .45 - —

N

Nee-fat fatty acid, 3-R, dms., c.l., dlvd..lb. .11½- —
17, dms., c.l., dlvd.....lb. .11¾- —
19, dms., c.l., dlvd.....lb. .15¾- —
23, dms., c.l., dlvd.....lb. .11½- —
drying oil, 170, dms., c.l., dlvd., lb. .13¾- —
190, dms., c.l., dlvd.....lb. .17¾- —
290, dms., c.l., dlvd.....lb. .19¾- —
Nee-fat prices are ½c. per lb. higher in all states west of and including Montana, Wyoming, Colorado and New Mexico.
Nevillac, pale, hard, dms., works, lb. .19 - —
hard, 85-95° C, dms., works..lb. .17 - —
soft, 65-75° C, dms., works...lb. .17 - —
10° C, dms., works.....lb. .24 - —
Neville resin, R-1 nevindene, col. ⅛, dms., works..lb. .13½- —
R-3, nevindene, col. 1, dms., works..lb. .12½- —
R-5, nevindene, col. 1½-2, dms., works..lb. .11½- —
R-6, nevindene, col. 2⅛-3½, dms., works..lb. .10½- —
R-7, N.P.S., col. below 3, dms., works..lb. .12¾- —
R-8, N.P.S., col. below 3, dms., works..lb. .13½- —
R-9, hard, col. ⅛, dms., works..lb. .12¾- —
R-10, hard, col. 1, dms., works..lb. .11¾- —
R-11, hard, col. 1½-2, dms., works..lb. .10¾- —
R-12, hard, col. 2½-3½, dms., works..lb. .09¾- —
R-13, medium, col. ⅛, dms., works..lb. .12¾- —
R-14, medium, col. 1, dms., works..lb. .11¾- —
R-15, medium, col. 1½-2, dms., works..lb. .10¾- —
R-16, medium, col. 2½-4, dms., works..lb. .09¾- —
R-16A, medium, col. 7-10, dms., works..lb. .08½- —
R-17, medium soft, col. 3½-8, dms., works..lb. .10¾- —
Neville resin, R-19, medium soft, col. 3½-8, dms., works..lb. .10¾- —
R-21, soft, col. 3½-8, dms., works..lb. .10¾- —
R-22, special, soft, col. 3½-8, dms., works..lb. .10¾- —
R-27, medium soft, col. 1, dms., works..lb. .12¾- —
R-28, medium soft, col. 1½-2, dms., works..lb. .12¾- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10¾- —
465, 110-125° C., dms., gross weight, f.o.b. Pittsburgh.. lb. .06½- —
Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.
Nevillite, "V," water-white, 100-lb. dms., works..lb. 1.80 - —
No. 4, very light straw, 100-lb. dms., works..lb. .52 - —
No. 123, water-white, 100-lb. dms., works..lb. .60 - —
Nevinol, dms., works.....lb. .13 - —
No. 2 oil, heavy, rfd., dms., works..lb. .12 - —
Nevtex, 10, returnable dms., works..lb. .08 - —
90, returnable dms., works.. lb. .20 - —
Nuba, 1, 80-95° C., dms., gross weight, works..lb. .0290- —
2, 100-125° C., dms., gross weight, works..lb. .0290- —
3x, 135-150° C., dms., gross weight, works..lb. .04¼- —

Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .31¼- —
11½%, 100-lb. pkgs.....lb. .37 - —
iron, 6%, 400-lb. pkgs.....lb. .15¼- —
11%, 100-lb. pkgs.....lb. .26 - —
lead, 24%, 450-lb. pkgs.....lb. .14½- .15½
32%, 450-lb. pkgs.....lb. .18¾- —
24%, 100-lb. pkgs.....lb. .19½- —
40%, 100-lb. pkgs.....lb. .23 - —
lead 30%, cobalt 3%, 150-lb. pkgs..lb. .32 - —
lead 30%, manganese 3%, 150-lb. pkgs..lb. .25 - —
manganese 6%, 400-lb. pkgs.. lb. .16¼- —
16½%, 100-lb. pkgs.....lb. .27¼- —
zinc, 8%, 400-lb. pkgs.....lb. .16¼- —
10%, 400-lb. pkgs.....lb. .19¾- —
12%, 100-lb. pkgs.....lb. .23 - —
All prices are f.o.b. customers' plants, east of Denver.
Nypene resin (see LM-Nypene resin, under L listings).

P

Palmalene, f.o.b., Boston, 400 lb. dms..lb. .15 - —
same basis, 200 lb. dms....lb. .18 - —
50 lb. dms.....lb. .20 - —
10 lb. cns.....lb. .25 - —
2 lb. laboratory containers, lb. .40 - —
Paradene, No. 1, 75-90° C., dms., gross wt., works..lb. .05¼- —
2, 100-124° C., dms., gross wt., works..lb. .05¼- —
3, 125-140° C., dms., gross wt., works..lb. .05¾- —
Paradene prices are freight equalized with Philadelphia, Pa.

Paradura resin, grade AV, c.l., dlvd..lb. .28 - —
10 pkgs. or more, dlvd.....lb. .29 - —
9 pkgs. or less, dlvd.....lb. .30 - —
C, c.l., dlvd.....lb. .33 - —
10 pkgs. or more, dlvd.....lb. .34 - —
9 pkgs. or less, dlvd.....lb. .35 - —
10-P, c.l., dlvd.....lb. .35 - —
10 pkgs. or more, dlvd.....lb. .36 - —
9 pkgs. or less, dlvd.....lb. .37 - —
46, c.l., dlvd.....lb. .22½- —
10 pkgs. or more, dlvd.....lb. .23 - —
9 pkgs. or less, dlvd.....lb. .23½- —
273, c.l., dlvd.....lb. .23 - —
10 pkgs. or more, dlvd.....lb. .24 - —
9 pkgs. or less, dlvd.....lb. .25 - —
287, c.l., dlvd.....lb. .35 - —
10 pkgs. or more, dlvd.....lb. .36 - —
9 pkgs. or less, dlvd.....lb. .37 - —
540, c.l., dlvd.....lb. .35 - —
10 pkgs. or more, dlvd.....lb. .36 - —
9 pkgs. or less, dlvd.....lb. .37 - —
Paranol resin, extra hard, No. 1, c.l., dlvd..lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs. or less, dlvd.....lb. .16 - —
Extra hard, No. 3, c.l., dlvd.lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
Hard, No. 1, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
No. 3, c.l., dlvd.....lb. .12½- —
10 pkgs. or more, dlvd.....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
25, c.l., dlvd.....lb. .12½- —
10 pkgs. or more, dlvd....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
25, light, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —

REICHHOLD CHEMICALS, INC. *Announces*

THE OPENING OF A NEW
SAN FRANCISCO MANUFACTURING PLANT

RCI PRESENTS new evidence of the growing scope of RCI's contribution to the victory program—the opening of a new manufacturing plant in San Francisco.

Primarily constructed to take care of the armed forces' increasing call for RCI products, this new plant will also enable RCI to accept more orders from industry at large, and to expedite delivery to West Coast manufacturers.

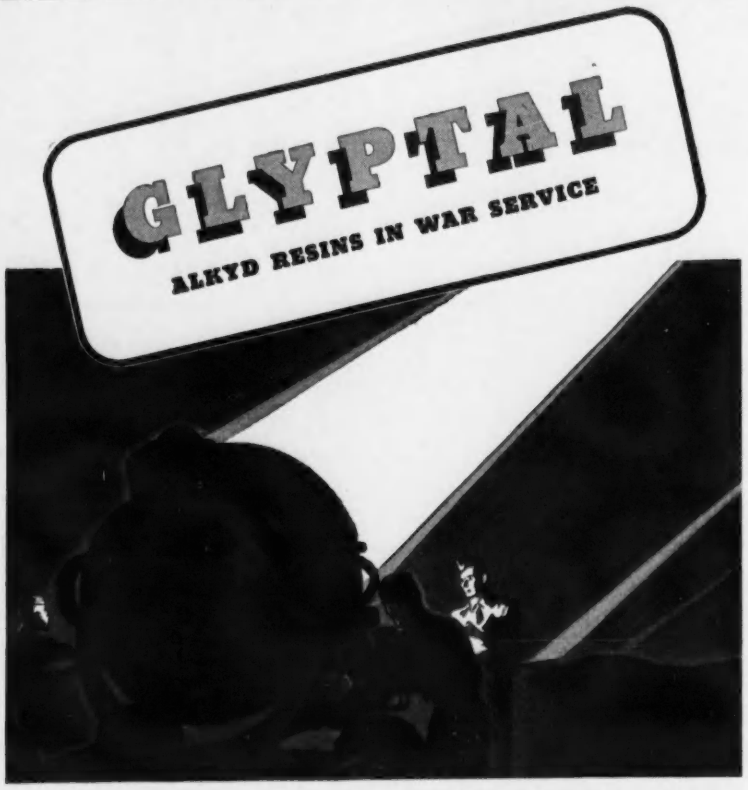
This new plant—in location, construction and purpose—is in accord with the RCI program of all-around expansion in manufacturing facilities . . . in variety of industrial chemicals produced . . . and in original research into the chemical problems of industry. If you are interested in specific ways in which this program can benefit your business, write to the home office.

RCI

REICHHOLD CHEMICALS, INC. 601 Woodward Heights DETROIT, MICHIGAN
ELIZABETH, N. J. • BROOKLYN • SAN FRANCISCO • LIVERPOOL • SYDNEY

SYNTHETIC RESINS • CHEMICAL COLORS • INDUSTRIAL CHEMICALS

Paranol, 54-E, c.l., dlvd.....lb.	.16½-	—
10 pkgs. or more, dlvd.....lb.	.17 -	—
9 pkgs. or less, dlvd.....lb.	.17½-	—
100, c.l., dlvd.....lb.	.17 -	—
10 pkgs. or more, dlvd.....lb.	.17½-	—
9 pkgs. or less, dlvd.....lb.	.18 -	—
106-B, c.l., dlvd.....lb.	.13 -	—
10 pkgs. or more, dlvd.....lb.	.13½-	—
9 pkgs. or less, dlvd.....lb.	.14 -	—
200, c.l., dlvd.....lb.	.17½-	—
10 pkgs., dlvd.....lb.	.18 -	—
9 pkgs., dlvd.....lb.	.18½-	—
500, hard, c.l., dlvd.....lb.	.14½-	—
10 pkgs. or more, dlvd.....lb.	.15 -	—
9 pkgs. or less, dlvd.....lb.	.15½-	—
extra hard, c.l., dlvd.....lb.	.17 -	—
Paranol, 500, extra hard, 10 pkgs. or more, dlvd..lb.	.17½-	—
9 pkgs. or less, dlvd.....lb.	.18 -	—
800, extra light, c.l., dlvd....lb.	.15 -	—
10 pkgs. or more, dlvd.....lb.	.15½-	—
9 pkgs. or less, dlvd.....lb.	.16 -	—
800, dark, c.l., dlvd.....lb.	.14 -	—
10 pkgs. or more, dlvd.....lb.	.14½-	—
9 pkgs. or less, dlvd.....lb.	.15 -	—
850, c.l., dlvd.....lb.	.15 -	—
10 pkgs. or more, dlvd.....lb.	.15½-	—
9 pkgs. or less, dlvd.....lb.	.16 -	—
1600, c.l., dlvd.....lb.	.14½-	—
10 pkgs. or more, dlvd.....lb.	.15 -	—
9 pkgs. or less, dlvd.....lb.	.15½-	—
1700, c.l., dlvd.....lb.	.16 -	—
10 pkgs. or more, dlvd.....lb.	.16½-	—
9 pkgs. or less, dlvd.....lb.	.17 -	—



The same laboratory controls and manufacturing processes which have assured the high quality of G-E Glyptal Alkyd Resins for years are today guiding the development of new solutions for war service. And these same rigid controls will continue to guide the development and manufacturing of new products in the peace to come.

Out of the new developments our research laboratories are making for our armed forces today will come new products to insure a prosperous and lasting peace. And G.E. will continue to be a pioneer and leader in producing Alkyd Resins and Solutions for paint formulations.

ALL OUT FOR VICTORY! YET, PLANNING THE PEACE TO COME.

GENERAL ELECTRIC

Paranol, 1750, c.l., dlvd.....lb.	.15 -	—
10 pkgs. or more, dlvd.....lb.	.15½-	—
9 pkgs. or less, dlvd.....lb.	.16 -	—
1855, c.l., dlvd.....lb.	.13 -	—
10 pkgs. or more, dlvd.....lb.	.13½-	—
9 pkgs. or less, dlvd.....lb.	.14 -	—
3046-C, c.l., dlvd.....lb.	.22½-	—
10 pkgs. or more, dlvd.....lb.	.23 -	—
9 pkgs. or less, dlvd.....lb.	.23½-	—
3101, c.l., dlvd.....lb.	.15⅝-	—
10 pkgs. or more, dlvd.....lb.	.16¼-	—
9 pkgs. or less, dlvd.....lb.	.16⅝-	—
3645, c.l., dlvd.....lb.	.15 -	—
10 pkgs. or more, dlvd.....lb.	.15½-	—
9 pkgs. or less, dlvd.....lb.	.16 -	—
Pentalyn A, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb.	.13 -	—
l.c.l., 10 dms., same basis....lb.	.13½-	—
single dms., same basis..lb.	.14 -	—
smaller lots, same basis..lb.	.19 -	—
G, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb.	.14½-	—
l.c.l., 10 dms., same basis, lb.	.15 -	—
single dms., same basis..lb.	.15½-	—
smaller lots, same basis..lb.	.20¼-	—
Phenester, color 3½-5, dms., works, lb.	.17 -	—
P.H.O., dms., works.....lb.	.24 -	—
Pliolite, powder, ton lots, works, lb.	.66 -	—
smaller lots, works.....lb.	.69 -	.74
resin, clear, ton lots, works, lb.	.75 -	—
smaller lots, works.....lb.	.79 -	.84
No. 20, ton lots, works.....lb.	.75 -	—
smaller lots, works.....lb.	.79 -	.84
No. 40, ton lots, works.....lb.	.75 -	—
smaller lots, works.....lb.	.79 -	.84

R

Resinous oil, No. XI, returnable dms., works..lb.	.0160-	—

S

Staybelite ester, No. 1, non-returnabl efiber dms., c.l., f.o.b. cars, destination, zone 1..lb.	.17½-	—
10 dms., same basis.....lb.	.18¼-	—
1 dm., same basis.....lb.	.19¼-	—
smaller lots, same basis....lb.	.24¼-	—
Staybelite ester, No. 2, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb.	.1824-	—
10 dms., same basis.....lb.	.19 -	—
1 dm., same basis.....lb.	.199 -	—
smaller lots, same basis....lb.	.249 -	—
No. 3, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb.	.1974-	—
10 dms., same basis.....lb.	.2049-	—
1 dm., same basis.....lb.	.2149-	—
smaller lots, same basis....lb.	.2649-	—
No. 10, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb.	.14½-	—
10 dms., same basis.....lb.	.14¾-	—
1 dm., same basis.....lb.	.15 -	—
smaller lots, same basis....lb.	.20 -	—
Surfex, bgs., c.l., f.o.b. Painesville, Ohio..ton.27.50	-	—
BB, bgs., c.l., same basis..ton.32.00	-	—
MM, bgs., c.l. same basis..ton.30.00	-	—
Syntex, standard alkyd resins, No. 9, c.l.....100 lbs.15.75	-	—
l.c.l.....100 lbs.16.25	-	—
14, c.l.....100 lbs.15.50	-	—
l.c.l.....100 lbs.16.00	-	—
16, c.l.....100 lbs.19.50	-	—
l.c.l.....100 lbs.20.00	-	—
18, c.l.....100 lbs.17.25	-	—
l.c.l.....100 lbs.17.75	-	—
19-B, c.l.....100 lbs.16.00	-	—
l.c.l.....100 lbs.16.50	-	—
22, c.l.....100 lbs.15.50	-	—
l.c.l.....100 lbs.16.00	-	—
23, c.l.....100 lbs.14.00	-	—
l.c.l.....100 lbs.14.50	-	—
28, c.l.....100 lbs.17.50	-	—
l.c.l.....100 lbs.18.00	-	—
32, c.l.....100 lbs.14.75	-	—
l.c.l.....100 lbs.15.25	-	—
121, c.l.....100 lbs.16.75	-	—
l.c.l.....100 lbs.17.25	-	—
217, c.l.....100 lbs.14.50	-	—
l.c.l.....100 lbs.15.00	-	—
H-12, c.l.....100 lbs.16.00	-	—
l.c.l.....100 lbs.16.50	-	—
H-15, c.l.....100 lbs.14.25	-	—
l.c.l.....100 lbs.14.75	-	—
Syntex, H-46, c.l.....100 lbs.14.25	-	—
l.c.l.....100 lbs.14.75	-	—
H-3 (pale), c.l.....100 lbs.15.25	-	—
l.c.l.....100 lbs.15.75	-	—
H-3, c.l.....100 lbs.15.25	-	—
l.c.l.....100 lbs.15.75	-	—

Syntex prices are f.o.b. Louisville, Ky., freight prepaid and allowed to destinations in New England, the Middle Atlantic States, Va., N. C., S. C., W. Va., Ohio, Ky., Tenn., Ind., Ill., Mich., Wis., Iowa and Mo. and the cities of Minneapolis and St. Paul, Minn.; Atlanta, Ga.; Omaha and Lincoln, Neb., and Montreal and Toronto, Canada. For shipment to other points East of the Rockies and not listed above add 1c. per pound. For shipments direct to West Coast points add 1¼c. per lb. to the less than carload lots prices. The above prices do not include the cost of drums, which remain the property of the manufacturer.

V

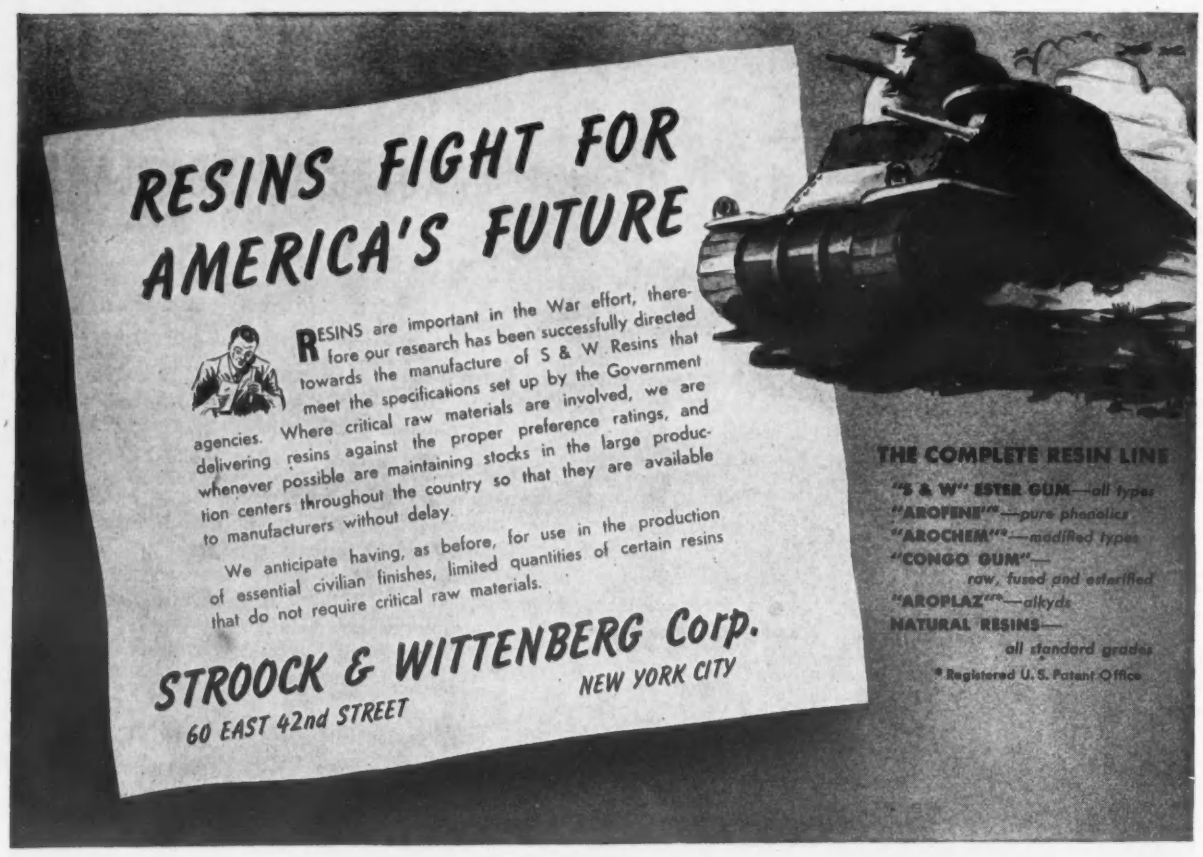
Vanadiset resin, dlvd. Balto.-Washington area, contract, 26-1000 tons per month..ton.29.00	-41.40	
spot, 1-25 tons per shpt...ton.51.40	-63.00	
under 1 ton per shpt....ton.83.00	-	—
Southern New Jersey, East Pa., Del., contract, 26-1000 tons per month..ton.28.60	-41.00	
spot, 1-25 tons per shpt...ton.50.00	-62.00	
under 1 ton per shpt....ton.82.00	-	—
Canada (Windsor to Montreal), contract, 26-1000 tons per month..ton.33.20	-44.60	
spot, 1-25 tons per shpt...ton.54.00	-66.00	
under 1 ton per shpt....ton.86.00	-	—
Greater N. Y., North N. J., Conn., contract, 26-1000 tons per month..ton.28.60	-40.00	
spot, 1-25 tons per shpt...ton.48.00	-60.00	
under 1 ton per shpt....ton.80.00	-	—
Ill., Ky., Tenn., Carolinas, Georgia, Missouri, 26-1000 tons per month..ton.33.60	-43.00	
spot, 1-25 tons, per shpt...ton.55.00	-67.80	
under 1 ton per shpt....ton.87.80	-	—
Iowa, Wis., Minn., Florida, Alabama, Mississippi, contract, 26-1000 tons per month..ton.33.60	-43.00	
spot, 1-25 tons, per shpt...ton.56.00	-68.80	
under - ton per shpt....ton.88.80	-	—
resin, New England (except Conn.), contract, 26-1000 tons per month..ton.29.00	-42.00	
spot, 1-25 tons per shpt...ton.53.00	-62.80	
under 1 ton per shpt....ton.82.00	-	—
Louisiana, Arkansas, Oklahoma, Texas, Colorado, Nebraska, Kansas, Dakotas, contract, 26-1000 tons per month..ton.36.00	-46.00	
spot, 1-25 tons per shpt...ton.60.00	-80.00	
under 1 ton per shpt....ton.90.00	-	—
N. Y. State, Penna. (W. of Harrisburg), Western Maryland, contract, 26-1000 tons per month..ton.30.00	-41.00	
spot, 1-25 tons per shpt...ton.58.00	-65.80	
under 1 ton per shpt....ton.85.80	-	—
Ohio, Mich., Ind., W. Va., Va., contract, 26-1000 tons per month..ton.31.00	-39.60	
spot, 1-25 tons per shpt...ton.54.00	-64.00	
under 1 ton per shpt....ton.84.00	-	—
Pacific Coast States, Arizona, New Mexico, Utah, Nevada, Idaho, Montana, Wyoming and Canada (except Windsor to Montreal), contract, 26-1000 tons per month....ton.48.00	-57.00	
spot, 1-25 tons per shpt...ton.70.00	-82.00	
under 1 ton per shpt....ton.94.00	-	—
"Vinylseal" adhesive solution, A35, drum lots, f.o.b. South Charleston, W. Va., frt. pd. E. of Miss..gal.	2.10	- —
smaller lots, same basis.gal.	2.50	- —
A70, drum lots, same basis... gal.	2.75	- —
smaller lots, same basis.gal.	3.00	- —
T24-9, 20 dms., same basis, gal.	2.00	- —
dm. lots, same basis....gal.	2.25	- —
smaller lots, same basis.gal.	2.50	- —
MA28-18, 20 dms., same basis gal.	2.15	- —
dm. lots, same basis....gal.	2.40	- —
smaller lots, same basis.gal.	2.65	- —

"Vinylseal" adhesive solutions in 1 to 5-gal. quantities are shipped in non-returnable containers. Extra charge of 40c. for 1-gal. cans, 5-gal. containers included in price. Drum lots are shipped in 55-gal. returnable drums.

"Vinylite" brand resins, AYAB (in paper bags or fiber drums), AYAA, AYAF, AYAT, c.l. (30,000 lbs.), in paper bags only, f.o.b. cars, South Charleston, W. Va., freight paid to destination E. of Mississippi river...lb.	.40	- —
2,000 to 2,999 lbs. same basis..lb.	.43	- —
200 to 1,999 lbs., same basis lb.	.45	- —
1 to 199 lbs., same basis lb.	.60	- —
AYAW, 1 to 199 lbs., paper bgs., same basis..lb.	.67	- —
QYNA, c.l. (30,000 lbs.), paper bags., f.o.b. cars South Charleston, W. Va..lb.	.48	- —
10,000 to 29,999 lbs., paper bags, same basis..lb.	.50	- —
2,000 to 9,999 lbs., paper bags, same basis..lb.	.52½-	—
200 to 1,999 lbs., paper bags, same basis..lb.	.55	- —
1 to 199 lbs., paper bags, same basis..lb.	.65	- —
VYHH, VYLF, VYNW, c.l. (30,000 lbs.), paper bags, same basis..lb.	.48	- —
10,000 to 29,999 lbs., paper bags, same basis..lb.	.50	- —
2,000 to 9,999 lbs. paper bags, same basis..lb.	.52½-	—
200 to 1,999 lbs., paper bags, bags, same basis..lb.	.55	- —
1 to 199 lbs., paper bags, same basis..lb.	.65	- —
VYNS, VMCH, c.l. (30,000 lbs.), paper bags, same basis..lb.	.68	- —
10,000 to 29,999 lbs., paper bags, same basis..lb.	.70	- —
2,000 to 9,999 lbs., paper bags, same basis..lb.	.72½-	—
200 to 1,999 lbs., paper same basis..lb.	.75	- —
1 to 199 lbs., paper bags, same basis..lb.	.85	- —
XYHL, XYHM, XYNC, 200 lbs. and up, paper bags or fiber dms., same basis..lb.	.85	- —
1 to 199 lbs., paper bags or fiber dms., same basis..lb.	1.00	- —

Z

Zinlac, orange or white, 50-gal. bbls. .....gal.	1.55	- —
kits (5 gals.).....gal.	1.70	- —
jugs (1 gal.).....gal.	1.80	- —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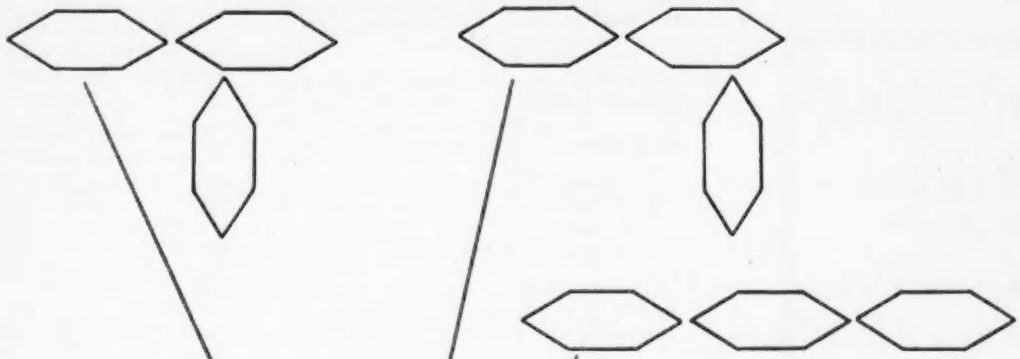
"CONGO GUM"—raw, fused and esterified
"AROPLAZ"*—alkyds
NATURAL RESINS—all standard grades
* Registered U. S. Patent Office



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	Mixed Isomeric Terphenyls	ORTHO	META	PARA
Color (NPA)	4–5	< 3.0	2.2–4.2	0–1.25
Density (g./cc.)	1.133	1.14	1.164	1.236
Melting Point Begins to soften Completely liquid	 60° C 140° C	 35° C 50° C	 75° C 85° C	 200° C 215° C
Solidification First crystals Hold point	 60–65° C 140–145° C	 ——— < 50° C	 < 90° C 83–85° C	 209–213° C ———
Distillation Range D-20 (Corr.)	364–418° C	320–355° C	370–378° C	381–388° C
Flash point	191° C	171° C	207° C	207° C
Flame point	238° C	193° C	229° C	238° C
Viscosity at 210° F (Saybolt Univ. Sec.)	———	40	39.3	———
Electrical properties Dielectric constant Resistivity (ohm/cm3) 100° C 155° C 250° C	 2.58 140,000x10⁹ 550x10⁹ ———	 2.54 8,200x10⁹ ——— ———	 2.62 2,600x10⁹ ——— ———	 ——— ——— ——— 30x10⁹

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Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison.

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Vol. 142 December 7, 1942 Number 23

Harry Schnell: In Memoriam

Harry Schnell is dead long before his time, because he was impelled to live a life seriously too full. To the particular and exacting services which he had chosen in his relations with his fellowmen in their business and civic affairs he gave his all. His reward has been in work honestly and earnestly done; it long will be in the memories of the many for whom he builded so usefully well.

Harry Schnell had a strictness of principle that earned him high respect. He had, too, a breadth of tolerance that won him affection, and a practical charity that engendered still deeper sentiments in the hearts of men. In himself supremely loyal, he looked upon loyalty as the most desirable human attribute. When its lack, or absence, was disclosed, he was not so much disappointed, such was his understanding of human frailties, as he was grievously hurt.

Harry Schnell became my valued preceptor more than thirty-five years ago. Our association grew into a friendship unusually marked, and most dear to me. We worked together; we fished and we golfed on rare occasions of his relaxation. My loss, then, is many-fold. The loss to us all in the organization he builded will long be keen.

HUGH CRAIG.

Tributes to the Memory of Harry J. Schnell

Mr. Schnell was secretary-treasurer of the Insecticide Manufacturers Association, predecessor of our present organization. He spent much time and energy on that work, as a labor of love and of goodwill. He cooperated actively with our industry. He gave much support to our program during the era of NRA. Altogether he was a friend, and often a friend in need. LEA S. HITCHNER, executive secretary Agricultural Insecticide and Fungicide Association.

He will be missed very much by the chemical industry.—THOMAS R. SMITH, president, American Association of Textile Chemists and Colorists.

He was a grand man who made many fine contributions during his life. We will all miss him.—JOHN G. SEARLE, president, American Drug Manufacturers Association.

In the passing of Mr. Schnell the drug industry has lost a real friend.—CARSON P. FRAILEY, executive vice-president, American Drug Manufacturers Association.

I can truthfully say for our association that no one in the publishing field has ever done more toward supporting our policies, both editorially and in the matter of reporting our activities.—CLARENCE W. WARNER, president, American Pharmaceutical Manufacturers Association.

The drug industry has lost a great leader, and its members have lost a highly esteemed friend.—CHARLES WESLEY DUNN, general counsel, American Pharmaceutical Manufacturers Association.

Mr. Schnell was a member of the Drug Club for forty-five years, and constantly was active in its affairs, individually, as a committee chairman, and as president. It was chiefly through his efforts that the present quarters of the club were so comfortably and efficiently equipped.—S. BARKSDALE PENICK, JR., secretary, Drug and Chemical Club of New York.

The industry has lost one of its most capable executives.—S. BARKSDALE PENICK, JR., chairman, Drug Chemical and Allied Trades Section, New York Board of Trade.

As an educator who constantly labored to raise the standards of the drug industry and to achieve a better understanding between the industry and the public in the worthy field of health and welfare, Dr. Schnell has left his imprint on the widening shores of progress. As editor and publisher of OIL, PAINT AND DRUG REPORTER and as a trustee of the New Jersey College of Pharmacy, Dr. Schnell tendered immeasurable service to our industry, and his many contributions can never be forgotten by those who have benefited and will continue to benefit from his works. In the life of Dr. Schnell is contained the inspiration that should spur us all on to ever-greater efforts in furthering the aims of the pharmaceutical profession.—RAY C. SCHLOTTERER, secretary, Federal Wholesale Druggists Association.

Mr. Schnell, with his genial human qualities, endeared himself to members of our association in the many contacts he had with them in various capacities. He always showed a forthright, honorable attitude in his relations with us. He had marked ability as a writer and editor.—H. L. DERBY, president, Manufacturing Chemists Association of the United States.

He has rendered a valuable service to the country by keeping a very important segment of our industry well and properly informed, and he will be deeply missed.—JOHN N. CURLETT, president, National Association of Insecticide and Disinfectant Manufacturers.

His influence in his chosen business field has always been of the highest order. We shall miss Harry Schnell in the paint, varnish, and lacquer industry, and while others will, of course, carry on the activities he has so splendidly developed, no one will ever quite take his place in the minds and the hearts and the souls of those who have lived and worked with him for so long as it has been my privilege to do.—ERNEST T. TRIGG, president, National Paint, Varnish and Lacquer Association.

With the death of Harry J. Schnell the drug industry loses a fine friend and a staunch supporter of the best principles of business management. For years Mr. Schnell has been an interested and active member of the National Wholesale Druggists Association. As chairman of our committee on memorials of deceased members he has served our association so effectively that each incoming president has asked him to continue as chairman of that committee. His kindly, generous presence will be missed at our gatherings.—GEORGE VAN GORDER, president, National Wholesale Druggists Association.

Mr. Schnell has been an outstanding figure in the drug industry for many, many years. His passing is a great loss to pharmacy at large. Mr. Schnell, in particular, has contributed much to the success and growth of our organization. He has served on a number of occasions as chairman of our committee on arrangements and entertainment. Under his direction we have had some of our most outstanding and long-to-be-remembered, successful meetings. We are all going to miss him greatly: no one can take his place, and few will ever be able to do an equally good job.—E. L. NEWCOMB, executive vice-president, National Wholesale Druggists Association.

On behalf of the New York Board of Trade may I extend sincerest sympathy in a great loss.—PERCY C. MAGNUS, president.

I have known him for a number of years in connection with activities in our industry, and I know of no one in the industry who commanded quite the same respect that he did from everyone.—LOUIS GILLESPIE, president, New York Paint, Varnish and Lacquer Association.

He was truly an outstanding leader in our industry, and his loss will be felt by many of our group throughout the country, who knew him well and of the many fine and constructive things he had done for the welfare of all over a period of years.—MICHAEL W. MCCARTHY, president, Painting and Decorating Contractors of America.

The drug industry as a whole will miss his wise counsel and clear thinking.—F. J. CULLEN, M.D., executive vice-president, Proprietary Association.

Such a loyal and staunch supporter of our industry will be greatly missed. A life spent constructively, as was his, is bound to leave a great void when it ends.—AUGUST MERZ, president, Synthetic Organic Chemical Manufacturers Association.

I knew him for many years and I am sure that the industry has lost a capable mouthpiece and one who always stood for sound principles and progress.—H. L. BROOKS, president, Toilet Goods Association.

I have always admired his abilities as a publisher that made it possible to produce a magazine of the type of OIL, PAINT AND DRUG REPORTER and the others under his management. I am convinced that the trade publication field has lost an important figure with his departure.—WALTER ALWYN-SCHMIDT.

Harry Schnell was of sterling character, and all of us here who knew him so well over the many years are deeply sorrowed in his passing.—GEORGE A. ANDERSON.

He will be greatly missed by a host of friends in the drug and chemical fields. His sympathetic understanding of trade conditions and his personal efforts to advise and serve cannot soon be replaced. He was a man keenly observant of current changes, and although not slow in judgment, he was always fair, and whatever happened, he was always a gentleman.—A. C. BOYLSTON.

This will remove from the drug industry one of the finest characters I have known,

—Continued on page 71

PRODUCTION

As is the case with many manufacturers of all types the present emergency has resulted in a host of new problems for our various Production Departments. It goes without saying that the needs of our Government come first, and all of our productive efforts are now designed towards satisfying these requirements as rapidly as they arise.

Production of those items necessary for the war effort has been increased to a very great degree in some cases and with all possible speed, while that of others of less essential nature has been drastically curtailed or ceased entirely. As a result, frequent changes in production schedules have been necessary, often on short notice, and equipment designed for one purpose has often been utilized for a wholly different type of product.

It is to the credit of our Production Departments that answers have promptly been found to these many new problems, and the increasing requirements of the War Effort filled without delay.

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PARALDEHYDE
PHENOL
PHENOLPHTHALEIN
PHOSPHORIC ACID
POTASH CARBONATE
POTASSIUM BICHROMATE
POTASSIUM BROMIDE
POTASSIUM CHLORATE
POTASSIUM FERRICYANIDE
POTASSIUM METABISULFITE
ROCHELLE SALT
SILICA GEL
SODIUM BENZOATE
SODIUM BICARBONATE
SODIUM BICHROMATE
SODIUM FLUORIDE
SODIUM HYDROSULFITE
SODIUM NITRITE
SODIUM PERBORATE
SODIUM PHOSPHATES
SODIUM PRUSSIATE, YELLOW
SODIUM SILICOFLUORIDE
SODIUM SULPHIDE
SULPHURIC ACID
TALC
TARTAR EMETIC
TARTARIC ACID
TITANIUM DIOXIDE
VITAMIN CONCENTRATES
ZINC OXIDE
ZINC STEARATE

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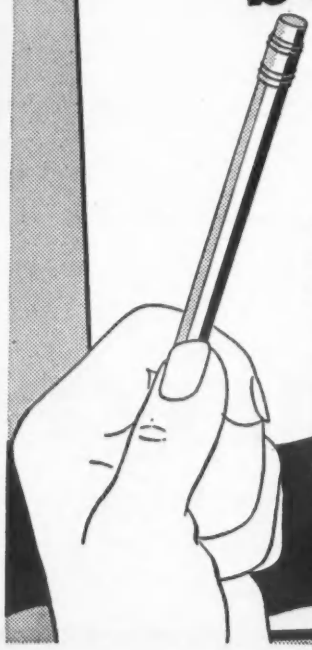

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Heavy Chemicals

Heavy Chemical Movement Into War Production Channels Continues To Hold Center of Market Stage—Normal Inquiry Up Slightly In Some Quarters—Use Restrictions on Chlorine Revised

Movement of heavy chemicals into war production channels continued last week to feature that market, factors estimating roughly that 90 percent of the activity is tied up directly or indirectly with the war effort. In some quarters, however, a slightly better volume of inquiry from normal consuming lines was observed.

Restrictions on the use of chlorine and products containing available chlorine have been revised by the War Production Board to remove from control of conservation order M-19 all products containing available chlorine. Another WPB announcement last week was to the effect that cotton growers, farmers, and others producing food or other economic crops in all probability will be able to obtain adequate supplies of arsenical insecticides through 1943.

Actions of the Office of Price Administration over the past week that are of interest to factors in the market for heavy chemicals include the freeing of fluorspar ores from price control in order to facilitate the government's program for expansion of this item; the exempting of metallurgical manganese ore with a manganese content of 40 percent or less by weight from OPA price control; and the exempting from such control of sales of phosphorus by the Tennessee Valley Authority to the Chemical Warfare Service of the War Department.

Provisions of conservation order M-241, requiring producers of paper and paperboard to restrict their output on an average monthly production basis, have been made more flexible by WPB. Paper production, as a percentage of six-day capacity, was 83.5 the week ended November 28, according to the American Paper and Pulp Association. This compares with 87.5 in the previous week and 107.7 percent a year ago.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
170.2	**170.2**	**170.2**	**168.5**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
116.0	**116.0**	**116.0**	**115.4**

Market news that may have developed after this report was sent to press will be found on page 4.

Alumina Hydrate.—Call for material in light volume. WPB allocations rule. Prices show no change.

Alumina Sulphate. — Interest light. Prices unaltered.

Aluminum.—Paste and seed transactions governed by WPB allocations. No change in quotations.

Alum, Soda.—Tone unaltered. Prices confirmed.

Ammonia, Anhydrous. — Heavy movement of material into war production channels. Quotations very firm.

Ammonia Aqua.—No new features in market. Prices rule unchanged.

Ammonia Bicarbonate.—No new developments. Tone steady.

Ammonia Carbonate. — Consumers' needs at fair level. Quotations unaltered.

Ammoniac, Sal.—Firm position unaltered.

Antimony. — Market undertone steady. Prices show no change.

Antimony Oxide.—WPB allocations rule with consumption light. Prices steady.

Antimony Sulphide.—No new developments. Demand, prices at recent levels.

Arsenic Trisulphide. — Demand unchanged from recent levels. Prices unaltered.

Arsenic, White.—Tone of market firm. Supply and demand conditions unchanged.

Barium Carbonate.—No change in level of demand or prices.

Barium Chlorate. — Material under WPB allocation order. No movements pricewise.

Barium Chloride.—Spotty demand. Prices unaltered.

Bauxite. — WPB allocations rule. Quotations steady.

Bleaching Powder.—Demand active. Prices firmly held.

Calcium Chloride.—Demand for material for Winter uses increasing. Market tone steady.

Carbon Tetrachloride.—Material in active demand. Prices firmly held.

Chloropicrin.—Market position tight. Prices show no change.

Chlorine. — War needs consuming large quantities. Production schedules heavy but below level of demand. Restrictions on the use of chlorine and products containing available chlorine have been revised by WPB to remove from control of conservation order M-19 all products containing available chlorine, such as liquid sodium hypochlorite, calcium hypochlorite, sodium chlorite, and other similar items. Provisions of conservation order M-241, requiring producers of paper and paperboard to restrict their output on an average monthly production basis, have been made more flexible by WPB. Under an amendment, mills are permitted to carry forward their quota from a previous month or borrow from a future month to extent of 15 percent in each case. Quotations very firm on chlorine.

Cobalt Acetate. — Demand light. WPB allocations govern transactions. Prices show no change.

Copper Oxide.—No change in market position. Prices steady.

Copperas.—Light movement of material to normal consuming channels. Quotations unaltered.

Cryolite.—Insecticidal needs consuming material in larger volume. Supplies for 1943 expected to be 25 to 30 percent more than in 1942. No change in prices.

Cyanide-Chloride Mixture.—Call for material quiet. Quotations steady.

Ethyl Chloride.—Market devoid of new developments. Prices same.

Feldspar. — Glass industry taking material in good volume. Market tone very firm.

Ferric Sulphate.—No new developments. Prices unchanged.

Fluorspar. — Fluorspar ores have been freed from price control by OPA in another action designed to facilitate the government's program for expansion of production of fluorspar. Material important in manufacture of steel and aluminum.

Glauber's Salt. — Demand light. Quotations show no change.

Lead Acetate.—Consumers' needs at light level. Price schedules show no alterations.

Association Meetings

National Association of Insecticide and Disinfectant Manufacturers, Hotel Roosevelt, this city, December 7 and 8.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 9

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Lime.—Mills three to four days oversold. Steady demand expected for duration. Quotations firm.

Lime Sulphur.—New price schedules not as yet announced.

Manganese Acetate.—Material attracting only light interest. Quotations show no change. Metallurgical manganese ore with a manganese content of 40 percent or less by weight has been exempted from price control by OPA.

Manganese Arsenate.—Inquiry light with WPB allocations governing transactions. No change pricewise.

Nickel Oxide.—WPB allocation order rules. New features lacking with prices unchanged.

Paris Green.—Market devoid of new developments. Demand light. Prices confirmed.

Phosphorus.—Sales of phosphorus by Tennessee Valley Authority to Chemical Warfare Service of the War Department have been exempted by OPA from price control.

Potash Carbonate.—Level of demand shows no change. No movements pricewise.

Saltpeter. — War demand active. Quotations show no change.

Soda Antimoniate.—Supplies at satisfactory level. Demand continues light. Prices show no change.

Soda Ash.—Material moving into consuming channels in substantial volume. Quotations unchanged.

Soda, Caustic.—Demand fair. Producers hold quotations steady.

Soda Chlorate.—Transactions governed by WPB allocation order. Supplies satisfactory. No change pricewise.

Tin Oxide.—Manufacture and use of tin oxide now forbidden.

Zinc Cyanide.—Light demand. Quotations same.

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Acids

Abietic.—No new features in market. Quotations unaltered.

Acetic.—Supplies tightening. Good call for material for war purposes. Prices show no change.

Acetic Anhydride.—WPB allocations rule. No change in price schedules.

Battery.—Good demand with market tone steady.

Formic.—No new developments. Prices show no change.

Gallic.—Market tone unaltered. Quotations steady.

Hydrofluoric.—Demand irregular. No alterations pricewise.

Lactic.—No change in supply and demand conditions. Prices same.

Muriatic.—War needs at good level. Tone firm.

Naphthenic.—WPB allocations rule. No change as regards quotations.

Nitric.—Heavy war demand. No new features. Prices unchanged.

Sulphuric.—Active movement of material into war production channels. Supplies available for normal consumers tight. Quotations show no change.

Baltimore, Dec. 2.—Expectations that the ceiling on sulphuric acid for agricultural purposes would be raised 8 per-

Mathieson Sales Head

Esse E. Routh recently was elected vice-president and director of sales for the Mathieson Alkali Works, Inc., this city. Mr. Routh has been affiliated with Mathieson Alkali since 1920 and succeeds John A. Kienle, retired.

cent by December 1 failed of realization; and producers now do not venture even a guess when the increase will be allowed, if it is to be put into effect at all. According to first talk about a mark-up of the ceiling, the change was to have been made effective on November 15; then the date was changed to December 1, and this report proved to be no more reliable than the preceding one. Meanwhile, with the top prices realized by different producers in March taken as the ceiling, variations persist, though they remain close enough to constitute a basis. With respect to oleum, a high-grade acid, there is more uniformity pricewise than on the other grades.

Insecticides

Calcium Arsenate.—Material in active demand. Supplies of arsenical insecticides for 1943 season, according to estimates, should average 10 to 15 percent below 1942 production. This would make amount available at least 10 percent above 1941. War Production Board announces cotton growers, farmers, and others producing food or other economic crops in all probability will be able to obtain adequate supplies through 1943.

Lead Arsenate.—Users showing little interest. Prices same. See calcium arsenate.

Nicotine Sulphate.—Supplies adequate with production of 3,000,000

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pounds expected in 1943. Factors believe material should be available next year not only for agriculture but for export and for vitamin reinforcement needs. Material may be substituted for some scarce insecticides. Interests hope to solve container problem before season opens.

Paradichlorobenzene.—Supplies for essential agricultural purposes reported adequate. Quotations show no change.

72d—OPD—Year

Books You Can Use

Spanish-English Dictionary

New Commercial and Technical Dictionary.. By Antonio P. Guerrero. Cloth: 600 pages, 6 by 9 inches. Brooklyn, N. Y.: Chemical Publishing Company, $10.

Presenting accurate translations of over 45,000 words and terms, this volume fills a timely need in the increasingly important trade relations between the United States and countries in South and Central America. It should prove valuable in eliminating some of the poor translations now passing as commercial correspondence, and aid in the deciphering of many others.

Compiled by a prominent Spanish engineer, each word has been translated in accordance with the plan of the Royal Spanish Academy of Languages. The work includes all needed modern terms referring to industrial chemistry, plastics, engineering and mechanics, meteorlogy, aviation, and shipbuilding. To increase its value, the volume has an appendex consisting of conversion tables of weights and measures and monies with literal translations.

White Arsenic Needs Estimated

OPD Washington Bureau

The Department of Agriculture estimates that the 1943 requirements of white arsenic to meet the needs of cotton growers and producers of foods and other economic crops for arsenical insecticides will approximate 26,500 tons. The amount will be needed, it was stated, for the production of the following quantities of arsenical insecticides solely for domestic use on the farms next year:

Calcium arsenate, 90,000,000 pounds, equivalent to 16,300 tons of white arsenic; lead arsenate, 57,000,000 pounds, equivalent to 8,092 tons; Paris green, 4,000,000 pounds, equivalent to 1,137 tons; London purple, 1,350,000 pounds, equivalent to 244 tons; and, other arsenicals, 2,686,000 pounds, equivalent to 686 tons.

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Dyestuffs, Textile, and Leather Chemicals

Inquiry Steady for Many Items in Market for Dyestuffs, Textile, Leather Chemicals—Year-End Inventories Drawing Consumers' Attention — Quebracho Extract Supplies at Fair Level

Continuing without price feature, the market for dyestuffs, textile, and leather chemicals again last week showed nothing in the line of new developments from a demand standpoint. Usually at this time of the year consumers are considering stocks for year-end inventory purposes, but demand for many items was steady. Inquiry was good for cochineal, fustic, and hypernic, and government takings of egg products continued to hold egg albumen and egg yolk very firm. Corn starch was tight, due to heavy domestic demand and large takings for lend-lease shipments. Supplies of quebracho extract, myrobalans, and wattle bark in dealers' hands were at a fair level despite the shortage of shipping space.

Interest was shown in the fact that domestic cotton mill activity was well maintained during November. Total consumption for the four months, August through November, approximated 3,800,000 bales, against 3,555,000 in the same period last season and 2,800,000 bales two years ago. Also of interest was the recent amendment to conservation order M-126, which permits, among other things, the use of iron and steel to manufacture, repair, and maintain parts for certain textile machinery.

In order to halt "unnecessary handling and wasteful extra finishing" of cotton and rayon piece goods, the Office of Price Administration has ordered that "gray goods" mills may sell to certain types of customers a percentage of finished goods no larger than they sold during the years 1939, 1940, and 1941. The order became effective November 30.

Tanning materials factors were interested last week in the possible effects of restriction by the War Production Board to lend-lease products of cattle hides and goat, kid, calf, and kip skins used in the manufacture of garment leather. WPB officials said it is not expected to affect the supply of civilian garment leather to any great extent, because civilian garments are made chiefly from sheep and lamb skins, which are not restricted.

Chemicals

Alumina Hydrate.—Users taking material in light volume. No change in quotations.

Quebracho Extract

Tanners do not have on hand large supplies of quebracho extract, importers of this material point out, as the year-end inventory period approaches. Their own stocks, however, due to arrivals in somewhat satisfactory volume over the past several months, are at a fair level.

November shipping data revealed arrivals of 23,226,720 pounds of quebracho extract, against 35,211,840 pounds for October. For the most part, these arrivals are of material purchased in South America some time ago. Unofficial figures published in Buenos Aires show that approximately 32,500 metric tons of quebracho extract were exported from January 1 to April 1 of this year. Approximately 39,400 metric tons were exported during the similar quarter of 1941.

It is now necessary to obtain licenses to purchase this material, but it is stated that, due to its essentiality, these licenses have been granted by the government in reasonably fair volume. The difficulty in securing freight space, however, is holding the market very firm. Factors point out that no freight space was granted for the item in November and that, so far, no grants of space have been received for this month. Some space is available to New Orleans, but this is not considered very attractive for Northern tanners.

Quotations on liquid and powdered quebracho extract were withdrawn last month and dissolved solid and ground materials were offered instead at prices 1½c. and 2c. per pound lower, respectively, than those that prevailed on the grades formerly marketed.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
261.5	261.5	261.5	248.8

Market news that may have developed after this report was sent to press will be found on page 4.

Alumina Chloride.—No change in market position. Activity light. Prices steady.

Chrome Acetate.—No new developments. Quotations steady.

Potash Bichromate.—Producers devoting attention to writing business for 1943 at prices currently in effect. Tone firm.

Soda Bichromate. — Factors report orders for 1943 being received at favorable rate. Current quotations firm.

Soda Prussiate.—Call for material light. No change in prices.

Sulphamic Acid.—WPB allocations govern transactions. No new developments in market. Quotations show no change.

Zinc Dust.—No change in level of demand. Tone steady.

Dyestuffs

Annatto.—Importers' stocks at fair level. Quotations firm.

Cochineal.—Active interest against tight supplies. Market tone firm.

Fustic.—Interest remains steady. Prices show no change.

Hypernic.—Steady interest. Quotations same.

Indigo.—No new features. Quotations unaltered.

Logwood.—Interest steady in firm market. Stocks tight.

Sizing Materials

Albumen, Blood.—WPB allocations govern soluble dried blood transactions. Light blood albumen supplies remain at satisfactory level. No change in quotations.

Albumen, Egg.—Tone unchanged. Government demand remains heavy. Prices same.

Corn Sugar.—No new developments. Quotations show no change. Corn acreage allotment for commercial corn area for 1943 will be 43,423,000 acres, an increase of 5 percent over 1942.

Egg Yolk.—Government taking material in large volume. Price schedules confirmed.

Starch, Corn.—Market position very tight. Domestic needs heavy. Lend-lease shipments in large volume

Starch, Potato.—Prices hold unchanged in steady market.

Zein.—New features lacking. Quotations unchanged.

Tanning Materials

Divi-Divi.—Import situation holds market firm.

Hemlock Bark Extract.—Market devoid of new features. Prices steady.

Myrobalans.—Interest holds at recent levels. Prices show no change.

Oakbark.—Position unaltered. Quotations steady.

Quebracho.—Shipments aggregating 4,905,960 pounds received last week.

Wattle Bark Extract.—Shipment of 3,224 bags received last week. No change pricewise.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 9

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Coaltar Chemicals

Basic Coaltar Products Continue in Short Supply — Situation Reflected in Other Quarters of Market — Consumers' Needs Only Partially Met — Acids, Intermediates Very Tight

Coaltar chemicals in general continued in tight position last week, the short supply situation prevalent among basic products being reflected in other quarters of the market. Needs of consumers of acids and intermediates in the majority of cases could only be met in part. Hydrogenated solvents were moving out in good volume but this movement also was insufficient. Color factors were busily engaged in trying to keep up with orders from mills working on government contracts.

Heavy production of crude naphthalene and light seasonal demand continued to hold this material in fair supply, although needs for the production of phthalic anhydride remained heavy. An easier supply situation also prevailed as regards xylol, which is under complete allocation by the War Production Board.

Steel operations last week were scheduled at 98.3 percent, unchanged from the previous week, according to the American Iron and Steel Institute. A month ago the rate was 99.6 percent and in the corresponding week a year ago it was 97.6 percent, up 1.8 percent.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
130.1	**130.1**	**130.1**	**128.5**

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Tight position unaltered. Heavy movement of material to government stockpile for use in synthetic rubber program. Needs for aviation gasoline in large volume. Quotations stabilized. Estimates of byproduct cokeoven operations in week ended November 28 indicate production from that source of 3,741,000 gallons of benzol.

Coaltar. — Quotations continue steady with no change in level of demand. Estimates of byproduct cokeoven operations in week ended November 28 indicate production from that source of 14,602,200 gallons of coaltar.

Creosote Oil.—Railroad and other utilities continue to take material in good volume. Tight supply situation prevails. Market tone firm. Estimates of byproduct cokeoven operations in week ended November 28 indicate production from that source of 772,300 gallons of creosote oil.

Cresylic Acid.—No change in tight market position. Prices show no change.

Naphthalene. — Crude output in heavy volume with large quantities moving to phthalic anhydride production. Crude transactions governed by WPB allocation order. Demand for balls and flakes seasonally light. Prices steady. Estimates of byproduct cokeoven operations in week ended November 28 indicate production from that source of 1,629,100 pounds of crude and refined naphthalene.

Phenol.—Lend-lease shipments consuming large amounts. Little available for intermediates. Estimates of byproduct cokeoven operations in week ended November 28 indicate production from that source of 217,200 pounds of phenol.

Pitch, Coaltar.—No new developments. Prices unchanged.

Pyridin.—Material under WPB allocation. Prices show no change.

Tar Acid Oil.—Tone unaltered. Prices same.

Toluol.—War needs consuming large quantities. Little material available for non-essential purposes. WPB allocations rule. Tone firm. Estimates of byproduct cokeoven operations in week ended November 28 indicate production from that source of 748,200 gallons of toluol.

Xylol.—Transactions governed by WPB allocation order. Supply situation fairly easy. Quotations confirmed. Estimates of byproduct cokeoven operations in week ended November 28 indicate production from that source of 168,900 gallons of xylol, crude and refined.

Chicago, Dec. 2.—The coaltar bases are quiet and steady, with a comparatively firm tone characterizing activity generally. A somewhat more insistent attitude on the part of buyers for additional material is reported in some quarters, while inquiries for supplies in the future are brisk. Ruling prices exclusive of tax are:—Benzol, 90 percent, 15c. per gallon; toluol, 28c.; 10-degree xylol, 27c.; solvent naphtha, 27c.; creosote oil, grade 1, 15½c.

Xylol

Although coaltar xylol is under allocation, a comparatively easy supply situation prevails currently, factors pointing out that the War Production Board is acting on applications rather liberally.

This condition draws attention to the fact that weekly estimates of byproduct cokeoven operations indicated an output from that source of 677,700 gallons of crude and refined xylol in November, against 844,200 gallons in October and 699,985 gallons in November, 1941. In October of last year, production of 744,316 gallons was indicated. November, 1941, estimates amounted to 546,222 gallons.

Complete allocation of aromatic petroleum solvents other than benzol and toluol started October 1. The action was taken in an amendment to order M-150. Coaltar xylol as well as petroleum xylol was affected by the amendment, since xylol and xylol range aromatic materials derived from coaltar were brought under control of M-150 by amendment No. 1, issued in July.

Hydrogenated Solvents

Cyclohexane. — Consumers taking material at active rate. No change in market tone. Prices unaltered.

Cyclohexanol.—Position unchanged. Supply situation continues tight. Prices confirmed.

Cyclohexanone.—Users taking material in good volume. No change pricewise.

Methylcyclohexanol.—Good call for material. Prices show no change.

Coaltar Acids

Anthranilic. — Position unaltered with supplies tight. Quotations same.

Benzoic, Technical. — Tone firm. Prices confirmed.

Broenner's — No change in demand and supply conditions. Price schedules unaltered.

Cleve's.—Users' needs at levels recently prevailing. No movement as regards quotations.

Fumaric. — Tight supply condition prevails. Prices show no change.

—Continued on page 47

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 9

N.A.I.D.M. Meeting Opens Today

—Continued from page 7

ers and Closures," Hugh J. Crawford, consultant, Container Division, War Production Board.

"Business at War," Frank W. Lovejoy, Socony-Vacuum Oil Company.

Afternoon Session

Report of Insecticide Scientific Committee, general chairman, Dr. A. E. Badertscher, McCormick & Co.

Mothproofing committe, F. W. Fletcher, Dow Chemical Company.

Cattle spray committee, F. C. Nelson, Stanco, Inc.

"Base Oils," N. J. Gothard, Sinclair Refining Company.

"Insecticide Testing Method," Dr. C. W. Kearns, Department of Entomology, University of Illinois.

"Questions and Answers," R. B. Solinsky, chief, Metal Can and Collapsible Tube Section, War Production Board.

"The Chemical Situation," Melvin Goldberg, specialist, insecticides and fungicides, War Production Board.

Insecticide Materials Symposium

Pyrethrum, Harold Noble, S. B. Penick & Co.

Rotenone, R. B. Stoddard, Dodge & Olcott, Inc.

Lethane, D. F. Murphy, Rohm & Haas Company.

Thanite, Friar Thompson, jr., Hercules Powder Company.

Pyrin, Alfred Weed, John Powell & Co.

Velsicol, A. R. Jameson, Velsicol Corporation.

"New Potential Insecticides," Dr. R. C. Roark, Bureau of Entomology and Plant Quarantine, U. S. Department of Agriculture.

"Agricultural Marketing Administration During Wartime," Dr. E. L. Griffin, Department of Agriculture, Agricultural Marketing Administration, Washington.

"Dry Skim Milk as a Food for the Adult Fly," F. W. Fletcher and Eugene E. Kenaga. Presented, by title only, F. W. Fletcher.

Tuesday, December 8

Morning Session

Report of disinfectant and standards committe, Dr. E. G. Klarmann, Lehn & Fink Products Corporation.

Disinfectant, Sanitary Symposium

Pine oil, F. U. Rapp, Hercules Powder Company.

Waxes, J. A. Schade, Innis-Speiden Company.

Petroleum products, Shell Oil Company.

"Questions and Answers," John Westberg, price executive, Office of Price Administration, Washington, D. C.

Container Symposium

American Can Company.

Arider Company.

Owens-Illinois Glass Company.

Wilson & Bennett Mfg. Co.

Thomas W. Dunn Company.

St. Regis Paper Company.

N. P. Dana.

"Relation of Bureau of Foreign and Domestic Commerce to the Insecticide Industry During Wartime," N. L. Marwood, Chemicals Staff, Bureau of Foreign and Domestic Commerce, U. S. Department of Commerce, Washington, D. C.

Afternoon Session

Proposed wax specifications and method of test, Dr. R. B. Trusler, Davies-Young Soap Company, chairman, sanitary specialties scientific committee.

"News of the Day," John W. Vandercook, NBC News Commentator.

"Disinfestation of Aircraft," Surgeon Gilbert L. Dunnahoo, U. S. Public Health Service, Washington, D. C.

Election of officers.

Report of resolutions committee.

New and unfinished business.

72d—OPD—Year

Pest Control Operators Conference

—Continued from page 7

phide in commercial rat and mouse operations.

Crude bait mixing versus scientific bait mixing.

Control of rats and mice in Army camps.

Rat survey forms and related forms.

Problems of civilian defense.

War gases.

Effect of fumigants in wood, fabric, and other commodities, George H. Chapman.

Stored products insects, M. D. Farrar.

Pest control and the war effort.

Pest control in an Army camp.

Special problems which have confronted us in Army camps and Defense areas.

Origin and properties of Chemicals used by the PCO.

Advances in chemistry.

Poison antidotes.

Disinfectants and deodorants.

The food of carpet beetle larvae.

Life history and control of firebrats.

Sanitary service supplies and insecticides as a subsidiary service in pest control.

72d—OPD—Year

Shive Leaves Calco For Rubber Reserve Post

—Continued from page 7

carried out research in the field of the fermentation industries and on the utilization of rubber latex in the rubber field. This was followed by extensive research and development on synthetic resin coatings and pigments. At the Calco division he has supervised research and development of organic dyes and intermediates for use in the organic pigment industry and allied fields.

Dr. Shive is a native of Pennsylvania and was graduated from Pennsylvania State College in 1921 with a B. S. degree in chemistry. He received his Ph. D. at the University of Illinois in 1924, and in the same year joined the Liberty Yeast Corporation, Pekin, Ill., to carry out research on manufacture and utilization of compressed yeast. When the company was absorbed by the Fleischman Yeast Company, Dr. Shive entered the Central Research Laboratories of the U. S. Rubber Company in New York. Before going to Calco in March, 1934, Dr. Shive was engaged in developing pigments and synthetic resin paints and enamels for E. I. duPont de Nemours & Co., and as director of manufacture for the Arco Company, Cleveland, Ohio.

72d—OPD—Year

Mineral Group to Meet

The third annual Oklahoma Mineral Industries Conference will be held in Oklahoma City December 10. Addresses are scheduled by half a dozen or more industrial leaders and technical men. K. J. Keating, factory manager for the General Paint Company, Tulsa, will speak on "Mineral Raw Materials for the Paint Industry."

Coaltar Chemicals

Coaltar Acids

—Continued from page 46

Gamma.—Consumers' needs at recent levels. Quotations confirmed.

H.—Position firm. Supplies tight. Prices same.

Laurent's.—Output low. Market tone firm.

Maleic.—No change in level of demand. Prices steady.

Malic.—Market devoid of new features. Quotations unchanged.

Picramic.—Supply situation tight. No change in prices.

Picric.—No new developments. Prices confirmed.

Sulphanilic.—Good interest. Supplies tight. Market firm.

Salicylic, Technical.—No new features. Prices show no change.

Other Intermediates

Alphanaphthol.—No new developments. Quotations show no change.

Alpanaphthylamine.—Demand active. No change pricewise.

Anilin.—WPB allocations rule. Oil and salts in tight supply. Prices same.

Anthraquinone.—Market position unaltered. Prices confirmed.

Benzaldehyde.—Material in tight supply. No change in level of interest. Quotations unaltered.

Benzidin Base.—Demand active. Supplies tight. Prices unchanged.

Betanaphthol.—Supplies tight. Tone firm. Prices same.

Diethylanilin.—No new developments. Prices unchanged.

Dinitrobenzene.—Demand exceeds supplies. Tone very firm.

Dinitronaphthalene.—Position firm. No new features in market.

Dinitrotoluene.—Material very scarce. Quotations confirmed.

G Salt.—Users' needs unchanged from recent levels. Prices unaltered.

Metanitroanilin.—Market tone firm with little material offered.

Metaphenylenediamine.—Movement of material to consuming channels at active rate. WPB allocations govern transactions. No change in prices.

HERE is a newly-available ammonium salt with interesting possibilities introduced by the thiocyanate group.

If you are now using an ammonium salt in your processes ... such as chloride, acetate, oxalate, carbonate or nitrate ... perhaps you will discover valuable modifications by substituting ammonium thiocyanate.

It is worth testing in your laboratory.

Ammonium thiocyanate has a behavior similar to other ammonium salts, but it also brings you all the variations of the thiocyanate group.

This group is remarkably stable and, in many reactions, resembles the halogens.

Koppers has recently placed in operation a large commercial plant for the production of ammonium thiocyanate crystals and can now offer this chemical in quantity at substantial savings over former costs. Koppers can supply ammonium thiocyanate in crystal form having a minimum purity of 95%.

Test samples, quotations and other information sent on request.

KOPPERS

KOPPERS COMPANY
Tar and Chemical Division
PITTSBURGH, PA.

Metatoluylenediamine.—WPB allocations rule. Market very firm with call active. Quotations show no change.

Nitrobenzene. — Position very firm. Supplies tight.

Orthocresol.—WPB allocations rule. Quotations unchanged.

Parachlorophenol.—Market tone firm with stocks low.

Paradichlorobenzene.—Supplies believed adequate for agricultural purposes. Prices firmly held.

Paranitrophenol. — Supplies short. No change in quotations.

Phthalic Anhydride. — Under WPB allocation and use control. Active demand against heavy production schedules. Tone very firm.

Coaltar Colors

The market for coaltar colors again last week was devoid of new developments. Producers were busily endeavoring to take care of needs for government work but movement of colors to the civilian textile industry remained very light.

72d—OPD—Year

Chicago Rubber Group To Give Christmas Party

The annual Christmas party of the Chicago Rubber Group will be held December 18 in the Terrace Casino of the Morrison hotel, Chicago. The party will consist of a dinner-dance and floor show.

HOOKER
Para Nitrobenzoyl Chloride
HOOKER
ELECTROCHEMICAL
COMPANY
Niagara Falls, N.Y.

Washington Talks It Over

-Continued from page 5

—even if the money doesn't go directly to the farmers in the form of cash benefits. The latest pocket-picking concerns the distribution of fertilizer under the farm adjustment programs.

For the most part the States have laws requiring payment of inspection fees to the State when fertilizer is shipped in for sale to the farmers. Florida has such a law and when it sought to enforce it against the Federal government which was sending fertilizer into the State for distribution free to the farmers as part of their benefit payments, the government protested and a three-judge court enjoined the State authorities from collecting the fee.

The farm bloc promptly introduced a bill, when it became apparent that the decision probably would stick even if carried to the supreme court, and without saying beans or howdydo to the Justice department, which successfully fought the fee in the Florida court, called a hearing next day and promptly reported the bill to the house floor for passage. Needless to say the bill would compel the government to continue payments of State inspection fees for the privilege of distributing the fertilizer free to the farmers.

Selling Silver

Congress finally is going to have a showdown with the silver bloc on who is running this war—the majority or a little band of Mining States senators and representatives who think silver is the salvation of all the world's ills. Morgenthau has been trying to rid the Treasury of its silver hoard since long before the war started but has been hampered by restrictions in the present law prohibiting sales of silver at less than the exorbitant price of $1.29 an ounce.

Now, however, the demands of war compel the use of silver as a substitute metal for other more scarce metals in war production and there is no longer any excuse upon the part of Congress for holding back on a change in the law so as to make the silver available for this purpose. Congress hopes to settle the issue before adjournment a month hence—not early in the next session.

The vehicle for the fight is a bill reported by the senate banking committee allowing Mr. Morgenthau to sell the silver at not less than 50 cents per fine troy ounce. But, before the committee was able to report the bill, the silver bloc got in one last lick by having such sales limited to silver uses "in furtherance of the war effort," which means there will be no government silver available for the jewelry industry.

Beyond the New Order

One of the better ones going the rounds concerns the story of an Axis spy planted in Washington to get an inside peek at the functions of the sprawling government. He was under orders to make a thorough survey of all departments and wartime agencies and locate the strategic offices on a large-scale map so they could be bombed in the order of their importance.

After days of pounding the pavements and looking into this and that office this is the message he sent back home:—"Impossible to make plans to bomb Washington. Americans too clever. They carry on some activities in several different buildings. If raid hits one building, no harm will be done because identical work duplicated in another office with different initials."

Storekeepers at Work

More and more the country's wholesalers and retailers are becoming a vital part of the war program of price control and commodity distribution under government regulations. Their responsibilities are heavy and varied, both in fulfilling the spirit of restrictive measures and in avoiding the human tendency to favor "regular" customers. And as members of their community they are called upon to cooperate in a great number of war drives and educational programs.

A good example of the extra work they are undertaking is found in the coffee rationing program. Fundamentals of the program are to be simply and graphically explained in words and pictures in hundreds of food stores throughout the country and the storekeepers will be expected to see to it that their customers adhere to it. Distributors whose delivery mileage is being cut are obliged to explain the reasons for such restrictions, and dealers in liquids, recognizing the value of drums, must make certain that the government regulations are carried out.

If the public must undergo discomforts and inconveniences, in severity and extent unlike any we have experienced before, it should be remembered that a heavy share of the burden of national control of scarce commodities and limited facilities is borne by operators, retailers, and wholesalers.

About Russian Rubber

The government is finally going to send a group of experts to Russia to find out how the Soviets make their synthetic rubber—if and when Russia renews its invitation. The decision was reached quietly recently but not announced publicly in view of the criticism expressed in the Baruch report of the failure of the government to accept the first invitation.

The Soviets invited the United States to send over a mission of experts a long time ago. While it was not formally rejected, it was never accepted. Whether it was finally withdrawn by Russia or just allowed to pass out by default is not clear, but now that it has been decided to send the mission it is being held up awaiting an invitation of the Soviets.

If and when the group does go it is expected to be headed by E. C. Pittman, president of the Interchemical Company, who is attached to the office of Rubber Director William M. Jeffers.

A Promising Rubber Vine

The flowering cryptostegia vine which has long graced verandas in California, Mexico, and Central America is being counted upon as another source of natural rubber for the needs of war and civilian uses. The vine is a native of Madagascar, having been brought to this hemisphere around the turn of the century.

It is considered one of the best plant sources of latex because of its fast-growing possibilities. Lacking previous commercial experience, the rubber yield can only be estimated, but experimenters believe the plant can be safely cropped after the first year to yield 250 pounds of rubber to the acre.

At least enough is thought of the possibilities of the plant for the government, through the Rubber Reserve Company and the Haitian-American Development Corporation, to enter into contracts for planting up to 100,000 acres of the vine in Haiti.

In and Behind the Army

The utimate size of the American army needed to beat the Axis is still very much of a military question that has not yet been decided upon by the authorities. The figure of 9,300,000 was given out sometime ago as the goal to be finally achieved. But now the estimators believe an army of 7,500,000 will tip the scales in favor of the Allies. And all this talk that it takes eighteen persons at home to sustain one soldier at the front is "absurd," says Undersecretary of War Patterson. It takes less than three, he declares.

That should throw some new light on the overall manpower problem.

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Paint, Varnish, Lacquer Materials

Bulk of Current Movement of Paint Materials Now on War Orders But a Fair Amount of Business Is Still Being Done on Civilian Account

A further seasonal dwindling of buying interest in paint materials on the part of manufacturers of finished paint, varnish and lacquer products, normally dependent upon non-military business, is combining with the restrictions imposed by the War Production Board on production and distribution activities in non-essential lines to cause suppliers of these materials to devote more time and attention than heretofore to securing orders from the Army and Navy for the constituents of protective coatings for the buildings, ships, mechanized equipment and other properties used by the armed forces of our country. But, although this war order business is now aggregating approximately 60 percent of the current movement of paint supplies, directly to army concentrations, munitions plants and navy yards, or indirectly to contractors holding awards on army and navy proposals, there is also a slow and somewhat smaller but fairly steady absorption of materials by paint mixers customarily engaged in preparing new batches of their products during the Winter months in anticipation of a revival of exterior as well as interior painting operations by professional painters, next Spring. Hence there continues a fair volume of transactions on that account in pigments, fillers, extenders, varnish gums, solvents, driers and lacquer materials.

Prices are being generally well maintained at or close to ceiling levels, or at least around the figures prevailing since the close of the Summer. Suppliers of chrome colors are unanimous in supporting their price schedules and no concessions are being made on any account.

The temporary price ceilings on casein established by OPA's Temporary Maximum Price Regulation No. 22, have been continued in effect by issuance of a new Maximum Price Regulation No. 280, replacing the temporary schedule which, for legal reasons, could not be extended beyond its expiration date, December 3. This new order, which has thus continued the price ceilings on casein previously fixed at the highs of September 28-October 2, may subsequently be replaced, however, by a single price ceiling regulation.

Metallic Lead and Zinc

With the War Production Board's stockpile of pig lead built up to substantial heights by a steadily increasing domestic production and imports, no impediments are being placed in the way of manufacturers of lead oxide and other lead pigments in obtaining all of this metal that they require. Though not in as liberal supply as metallic lead, zinc slabs are still procurable by the makers of zinc oxides and sulphides in satisfactory quantities for meeting all their current requirements. Special exemption has been granted to these interests, and the paint industry in general, from the recently-issued WPB order curtailing the use of zinc in the manufacture of a variety of automobile parts, building and industrial materials. This order, from which the paint trade is thus entirely exempted, also places new restrictions on plating and protective coatings, including galvanizing, and provides that no items in its List "A" or List "A-1" may be made of metal coated with zinc or themselves coated with zinc. Then, in a set of dragnet provisions, this order limits the use of prime Western and other grades of zinc for all items made for civilian purposes, not included in its lists, to 75 percent and 50 percent, respectively, of the amounts used by the makers last year.

Lead. — Prevailing spot prices at New York, St. Louis and London for the period from November 27 to December 4, inclusive, were as follows:—

	Pigs		
	Per pound		Spot, Per ton
	New York.	St. Louis.	£ s. d.
Saturday	$0.0650	$0.0635	*.. .. ..
Monday	.0650	.0635	.. .. ..
Tuesday	.0650	.0635	.. .. ..
Wednesday	.0650	.0635	.. .. ..
Thursday	.0650	.0635	.. .. ..
Friday	.0650	.0635	.. .. ..

* London exchange closed.

Price Changes

Advanced

Rosin, gum, 1c. to 5c. per 100 lbs.

Reduced

Turpentine, gum, ¼c. per gal.

Comparative Values

Index numbers compiled from ten typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month	Last year.
140.2	140.2	140.2	137.9

Market news that may have developed after this report was sent to press will be found on page 4.

Carbon Black Use Shows Shrinkage

Although there has been some improvement in the call for carbon black within the last few weeks, coincident with the inception of the synthetic rubber industry, it is generally recognized that the use of this product has been hugely contracted with the complete stoppage this year of private automobile production, wherein it had constituted the principal paint material.

Just how great this shrinkage in its consumption during 1942 has been will not become evident in its entirety until the totals for this year become available. But some conception of this decline in its use is furnished by a summary of its record-breaking production and sales for 1941, recently released by the Department of the Interior in the form of a reprint chapter from a forthcoming annual report.

According to this authority, total production of all types of carbon black in the United States last year amounted to 594,065,000 pounds, including 487,967,000 pounds of channel black and 106,098,000 pounds obtained by other processes. This compares with a total output in 1940 of 568,792,000 pounds. The quantity of carbon black sold during 1941 aggregated 644,744,000 pounds, compared with 529,774,000 pounds for the previous year. These 1941 sales figures also include exports.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 9

EMERGENCY RATIONS

Photo by U. S. Army Signal Corps

Every soldier knows that his emergency ration is not a banquet — but he still carries it — through thick and thin, and when he needs it — boy — it does a swell job of filling in.

We know our Paranol 4142 and Paranol V — are not the ultimate in synthetic resins — but — you can get them without priority — and they do a swell job of filling in.

Samples of resin and suggested formulae are offered as well as the services of our technical staff for your convenience.

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• ST LOUIS
• PHILADELPHIA
• DALLAS
• MEMPHIS
• SHAWNEE, OKLA.
• LOS ANGELES
• SAN FRANCISCO
• OAKLAND
• SEATTLE
• PORTLAND, ORE.

FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from November 27 to December 4, inclusive, were as follows:—

	Slabs		Spot, London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0866	$0.0825	* .. .. ..
Monday	.0866	.0825	.. .. ..
Tuesday	.0866	.0825	.. .. ..
Wednesday	.0866	.0825	.. .. ..
Thursday	.0866	.0825	.. .. ..
Friday	.0866	.0825	.. .. ..

* London exchange closed.

Pigments

Blue Lead.—Only a light inquiry is noted but a fair volume of deliveries is moving out. Little 1943 business has been booked yet. Supplies adequate. Tone steady.

Lead Titanate.—Continues in moderate request. Stocks ample. Prices unchanged.

Lithage.—In steadily lessening demand. Prices well maintained. Sales of lithage to chrome pigment makers in 1941 reached a total of 13,927 tons, compared with 8,456 tons in 1940.

Lithopone.—Only a small buying interest is manifested. Supplies sufficient for current requirements. Tone holding firm.

Orange Mineral.—Still fairly active. Prices stable.

Red Lead.—Moving slowly but steadily into consuming channels. Stocks only moderate-sized. Tone firm. Sales for use in paint making amounted to 20,130 tons, last year, against 11,949 tons in 1940.

Titanium Dioxide.—A fairly active demand continues to be reported. Shipments are holding up well. For November they ran 20 to 25 per cent above those for October, although 25 per cent below those for the corresponding month of last year.

White Lead.—Buying movement now lagging. Stocks fairly large. Tone very firm. Department of the Interior reports total sales for 1941 showed a gain of 40 percent over those for 1940, with dry material establishing a new high record. The distribution of white lead in oil among the various consuming industries is recorded by this authority as having aggregated 100,665 short tons, last year, compared with 73,137 tons in the previous year. Sales of basic lead sulphate to paint manufacturers in 1941 amounted to 9,285 tons, compared with 5,593 tons in 1940.

Zinc Oxide.—Further improvement in buying interest is noted as manufacturers of reclaimed rubber feel increasing need of this product. Stocks adequate for current requirements. Prices well maintained. The Department of the Interior's records show that, last year, the distribution of zinc oxide sales revealed that the paint industry absorbed 30,304 tons, compared with 23,268 tons in the previous year. Leaded zinc oxides went into paint making in 1941 to the extent of 67,472 tons, contrasted with 44,341 tons in 1940.

Driers

Sterates and palmitates continue in moderate demand and moving steadily into consuming channels. An especially keen request is noted for aluminum, barium and zinc stearates. A sizable call for linoresinates and other substitutes for the banned naphthanates is also reported. Prices are being well maintained by leading producers throughout the list.

Fillers and Extenders

Asbestos.—Though there has been a further waning of buying by civilian users, the market continues to be kept fairly active with the placing of Army and Navy orders.

Barytes.—Buying movement is expanding on purchasing by manufacturers of reclaimed and synthetic rubber. Stocks are still adequate, however.

Charcoal.—Further improvement is reported in this material, and prices continue to be well maintained.

China Clay.—Return of paper coaters into market is injecting some measure of life into this product. Prices firmly held.

Diatomaceous Earth.—Continues in

3

RUTILE TITANIUM DIOXIDES
of extremely high hiding power

RAYOX R-110
for interior finishes and for white exterior finishes when a non-chalking pigment is not desired.

RAYOX R-610
for all tinted exterior finishes and whites requiring maximum chalk resistance and luster retention.

RAYOX R-510
All purpose pigment, intermediate in properties between RAYOX R-110 and RAYOX R-610.

R. T. VANDERBILT CO., INC. · 230 PARK AVE. · NEW YORK

fair inquiry. Stocks adequate. Tone steady.

Fuller's Earth.—A moderate degree of activity is noted. Prices firmly maintained.

Graphite.—In only light request. Supplies ample. Prices unchanged.

Gypsum.—Buying interest continues to reach moderate proportions. Production, too, is still holding up well, despite a notoable shortage of skilled labor. Tone stable.

Mica.—Moving steadily into paint-making channels. Grinding capacity still short of volume desired. Present supply of both dry and wet-ground paint grades ample for current requirements. Prices firmly held. Allocation control over domestic mica, used in radio and other electrical equipment, will begin December 10 as a result of an amended conservation order issued by WPB. Certain mica, designated as "strategic," was formerly under allocation control, but the new WPB order broadens the definition of "strategic mica" to include a number of lower grades. This order prohibits the delivery of any unfabricated strategic mica to any person except an agent of the Metals Reserve Company except on specific authorization.

Talc.—Still manifesting a fair degree of activity. Supplies, however, are more than adequate; hence the market tone is only steady.

Whiting.—A small buying movement continues to be noted. Stocks adequate. Prices well maintained.

Dry Colors

Although there has been only moderate improvement in the demand for chrome colors within the past week, prices of all descriptions are being strongly maintained on all kinds of business. The market in some lines is more active than in others, but a strong undertone pervades the entire lists.

Alkali Blue.—In fair request but light supply. Prices firmly held.

Bone Blacks.—A moderate buying interest is manifested in these colors. Stocks more than ample for current requirements. But the market tone holds steady.

Carbon Blacks.—Prices are being well maintained on all descriptions of carbon blacks, despite a further increase in stocks on hand at the close of last month, as a growing buying movement is getting under way with the steadily enlarging purchases of synthetic rubber manufacturers. Gas blacks are again moving steadily into consuming channels. Prices are firmly maintained. Sales of all types in this country reached a pinnacle, last year, when 644,744,000 pounds were turned out, compared with 529,774,000 pounds for the preceding year. Of this total output, the paint industry took 5,840,000 pounds, while the rubber companies absorbed 439,502,000 pounds. Production for 1941, which also attained a record-breaking peak, amounted to 594,065,000 pounds, including 487,967,000 pounds of channel black and 106,098,000 pounds of material obtained by other processes.

Chrome Colors.—Suppliers continue holding prices firmly throughout the list on both war and non-essential business, without the slightest variance or concession. A moderate movement is noted in chrome green and chrome yellow, and there is also a fair call for zinc yellow toner. Mention in the November 30 issue of a sale of zinc yellow to a navy yard at a figure one-half cent under the open market price is regretted, inasmuch as it proved misleading. This sale was not made to handlers of the Navy specifications type or to civilian consumers. Hence it did not in any way affect the recognized market price on contracts or open orders, which has continued at the 15c. level for more than three months.

Lacquer Materials

Acetone.—Government call in good volume. Prices under individual ceiling set by OPA.

Butyl Alcohol.—Material under WPB allocation. Market position unchanged with prices under individual OPA ceiling.

Butyl Acetate.—Market tone firm. Prices ceiled.

Cellulose Acetate.—Heavy movement of material into war production channels. Output extensive.

Diamyl Phthalate.—Supply situation tight. Demand good. Tone firm. Tight position of phthalic anhydride, under allocation and use control, reflected in all phthalates.

Ethyleneglycol.—WPB allocations rule. Prices unaltered.

Film Scrap.—Tone steady. Demand, prices unchanged.

Tricresyl Phosphate.—Demand heavy. Transactions governed by WPB allocations. No change in quotations.

Naval Stores

No material change in the character of business in naval stores was noted last week, purchasing operations generally being along the same conservative lines noted in recent preceding periods. In some local quarters, however, an increase was reported in the request for moderate lots of rosin the increased movement of such quantities apparently being sufficient to strengthen the tone of the markets for that commodity. On December 1 the government's transportation tax of 3 percent on shipments of merchandise to domestic buyers became effective. In the case of naval stores products on which there is an official ceiling, the procedure apparently was to add the tax to the ceiling price, while in other cases the tax was added to the prices named by individual sellers at shipping point.

No particular significance was attached to a decline in turpentine prices at one time, the easier situation being regarded as merely temporary and due to an absence of demand of consequence. Additions of turpentine and rosin to the government stockpile were rather liberal after showing a falling off recently, which was apparently due in some measure at least to a lack of adequate transportation and storage facilities. Representatives of the naval stores industry were in conference with government officials last week concerning the naval stores marketing and stockpile program for 1943, but no announcement was forthcoming of definite action in the matter. Daily offerings of rosin and turpentine in the South were light or moderate last week and no increase in supplies is expected in the near future as operations in the woods have been hampered recently by dry weather in many sections.

Turpentine.—Quiet conditions prevailed much of the time in the local market last week. There was nothing stimulating in developments in the South, and purchasing here was generally limited to comparatively small lots to fill the current needs of consumers and dealers. Price changes were moderate.

Savannah, Dec. 4.—Following is a record of the turpentine market for the week:—

	Gallons	Barrels			
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	...	...	...	...	...
Monday	63¼	19,600	404	59	26,285
Tuesday	63¼	4,150	126	152	26,259
Wednesday	63	5,750	254	...	26,317
Thursday	63¼	800	208	1	26,924
Friday	63¼	1,200	160	1	26,683

* No trading.

Jacksonville, Dec. 4.—Turpentine stock, 19,391 barrels.

Chicago—December 4

Turpentine business is slow. Ruling prices at the close of business last night were:—Five-drum lots, 76c. per gallon; five wood barrels, 81c.; single drums, 79c.; single barrels, 84c.

Savannah, Dec. 4.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.25	$3.20	$3.20	$3.20	$3.20
D	...	3.30	3.26	3.26	3.26	3.27
E	...	3.35	3.31	3.31	3.32	3.33
F	...	3.39	3.37	3.40	3.40	3.42
G	...	3.39	3.38	3.42	3.41	3.44
H	...	3.39	3.38	3.42	3.41	3.42
I	...	3.40	3.42	3.42	3.42	3.44
K	...	3.44	3.46	3.48	3.48	3.49
M	...	3.44	3.44	3.48	3.50	3.50
N	...	3.45	3.47	3.50	3.51	3.51
WG	...	3.60	3.60	3.65	3.70	3.70
WW	...	3.65	3.65	3.75	3.76	3.76
X	...	3.65	3.65	3.75	3.76	3.76
	Barrels				
Sales	...	252	343	76	396	385
Receipts	...	19	715	402	561	271
Shipments	...	...	630	...	154	208
Stocks	...	...	...	...	...	91,015

* No trading.

London, Dec. 4.—Turpentine, 87s. per cwt.

Rosin.—Business in the local market was generally of a conservative character last week, many buyers still be-

The coming year will require all the resourcefulness and ingenuity at your command. If Imperial can contribute in any way to the solution of your pigment color problems, our experience, knowledge and facilities are at your service.

IMPERIAL PAPER AND COLOR CORPORATION

Pigment Color Division **GLENS FALLS, N.Y.**

The largest manufacturers of chemical pigment colors in America

Branch Offices and Warehouses:

Boston, New York, Philadelphia, Cleveland, Detroit, Cincinnati, Pittsburgh, Seattle, Chicago, St. Louis, San Francisco, Baltimore, Dallas, Los Angeles, Louisville

PICCOLYTE

THE VERSATILE RESIN

serves essential production needs

Made from readily available domestic materials, providing an unmatched combination of desirable properties — low-cost PICCOLYTE answers many of today's problems—helps you produce more and better goods . . . quicker!

PICCO

5 PLUS VALUES YOU GET IN PICCOLYTE

1. NON-YELLOWING
2. LOW-COST
3. PALE COLOR
4. PETROLEUM-SOLUBLE
5. CHEMICALLY INERT

Made From Readily Available Domestic Materials

These PICCOLYTE properties warrant your immediate investigation: low specific gravity (0.98); low cost per pound; readily soluble in low-cost naphthas; chemically inert; resists acids, alkalies, brine, alcohol; is thermoplastic, unsaponifiable; pale in color and non-yellowing; available in various melting points. Let PICCOLYTE boost your essential production . . . write for free sample.

PENNSYLVANIA INDUSTRIAL CHEMICAL CORPORATION

CLAIRTON, PENNSYLVANIA

Representatives in Principal Cities

Makers Of: Coumarone Resins - Coal Tar Naphthas - Rubber Plasticizers - Reclaiming Oils

NEVILLE RESINS

Available Now!

☆ With the restrictions and slow deliveries on Natural Resins and many of the synthetic resins, many manufacturers are turning to available Neville Coumarone-Indene Resins. Some of the more available grades are listed below.

These resins are neutral, waterproof resistant to chemicals, and soluble in low-priced solvents. Pale or dark colors in 5-160° C melting points.

NEVINDENE*
NUBA*
PARADENE*
"R" RESINS
"G" RESIN
465 RESIN

THE NEVILLE COMPANY
PITTSBURGH • PA.
Chemicals for the Nation's War Effort

A-3 *Reg. U.S. Pat. Off.

What is this thing, *Morale?*

Webster says that one phase of it is "condition as affected by, or dependent upon, such moral or mental factors as zeal, spirit, hope, confidence, etc."

This type of morale is in evidence every day in the plant of the Magnetic Pigment Company where a devoted organization strives zealously to maintain capacity production: where the spirit prevails for producing only the finest pigments; where the well grounded hope exists that enough will be produced in time, and where there is confidence that the Mapico pigments going to the use of the armed forces will do everything expected of them.

MAPICO COLORS

YELLOWS • REDS • BROWNS • BLACKS

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BINNEY & SMITH CO., *Distributor*
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CHROMIUM OXIDE
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IRISH MOSS
HIGHEST QUALITY . . . CRUDE—POWDERED
T. M. DUCHÉ & SONS, INC.
CHICAGO 117 HUDSON ST., NEW YORK BOSTON

STANDARD
"THE ORIGINAL SYNTHETIC SOLVENT MANUFACTURERS"

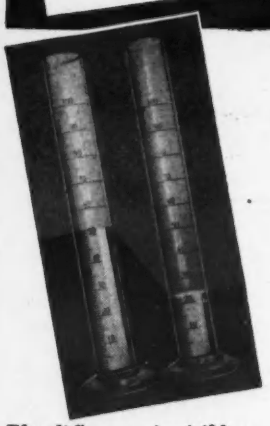
You Can Use
ISOPROPYL ALCOHOL
SUPPLIES AVAILABLE

Recommended for lacquers, resins, laminating varnishes, body rubs, vitamin B1 preparation, sterilizing solutions, liniments and many additional applications.

Isopropyl Alcohol is on allocation and necessary forms will be gladly furnished.

STANDARD ALCOHOL CO. 26 BROADWAY NEW YORK

LABORATORY CONTROL makes the difference!



The difference is visible to the naked eye. More important—see the difference it makes in your products . . . in easier, better manufacture. An exclusive method of Laboratory Control assures *positive* control of top quality raw materials, cleaner washing and maximum water insolubility. Write for samples, a glance tells you the story.

FLUFFIER, FINER METASAP assures greater volume. Here's actual photographic proof! Metasap (in Graduated Glass Cylinder at left) weighs exactly the same* as competitive metallic soap (right). Yet Metasap registers volume of 52 cubic centimeters . . . coarser competitive product has volume of 23 cubic centimeters.

* Each sample weighed 10 grams.

A Few of the Products Now Improved by Metasap Metallic Soaps

OILS AND GREASES • PAINTS AND VARNISHES
RUBBER • PLASTICS • CEMENT • COSMETICS
PRODUCTS MADE IN METAL WORKING PLANTS

★

METASAP CHEMICAL COMPANY
HARRISON, NEW JERSEY
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CEDARTOWN, GEORGIA

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METASAP CHEMICAL COMPANY
Stearates Palmitates
OF ALUMINUM, CALCIUM, LEAD, ZINC
A Division of National Oil Products Company

ing disinclined to purchase ahead to any material extent, but in some circles an increase was noted in the request for small or moderate quantities of various grades. Price movements reflected developments in the primary center.

Jacksonville, Dec. 4.—Rosin stock, 164,222 barrels.

Chicago—December 4

Quietness persists in rosin. Ruling prices at the close of business last night in five-drum lots were:—B grade, $4.50 per 100 pounds net; G grade, $4.72; M grade, $4.78; W.W. grade, $5.05.

London, Dec. 4.—Rosin, W.W., 33s. per cwt.

Other Naval Stores

Pine Oil.—Steady at recently prevailing prices. Output moving steadily into consuming channels on contracts and new orders.

Pitch.—Fairly active demand from local and other consumers. Spot stocks moderate. Prices steady.

Rosin Oil.—Market firm here. Business generally along conservative lines.

Tar. — Contract movement steady. Quotations held at former levels.

Shellac

Military requirements are taking up substantial quantities of shellac steadily and in a volume that leaves very little for civilian consumption. In fact, so far as civilian use is concerned, flake shellac is practically out of consideration, probably for the duration. The present stockpile in the nation is earmarked to meet the necessities of the war program and most other uses get short shrift. The situation has turned a fairly strong light on the possibilities for successful substitutes and it is understood that excellent headway is being made in that direction.

Synthetic Resins

Restrictions so far placed on phenol and phenolic resins have not yet exerted a restraining influence upon the production of important products in this list, inasmuch as even those resins and molding compounds, slated to go under complete allocation eventually, have been exempted for the current month, if made from phenol delivered in accordance with November allocations under the provisions of M-27. One of the notable changes in the long list of quotations on Synthetic Resins appearing in this issue of the REPORTER is the switching of some of these products from returnable steel drum and black iron shipping drums to non-returnable fiber drums which has necessitated the inclusion of the cost of these fiber containers in the revised prices of those items. There are still many synthetic resins continuing to be shipped in steel and iron drums. Prices have generally been firmly held.

Chlorinated Rubber.—Except for the movement of a few remaining supplies, there is no show of activity in this product.

Ester Gum.—Continues in fair demand and light supply, with prices well maintained.

Varnish Gums

Asphaltum.—OPA has established price ceilings on asphalt tile, used as a flooring to a considerable extent in war constructions. The maximum prices thus fixed on this asphalt product are on manufacturers' sales and are substantially the same as those prevailing in October, 1941, but discounts customarily granted by the trade have been ordered continued together with other practices of the trade, including those pertaining to freight.

Copals.—Movement of Congo copals has slackened materially since the eastern markets have been stripped of spirit soluble gums and even the western markets seem unable to yield much more. Current buying by varnish makers is limited as heretofore to sixty days' requirements. Only unsorted grades are now available in sizeable amounts.

Kauri.—Few grades are now obtainable here and there is little likelihood of substantial replenishment by arrivals from New Zealand, where only the swamp grades are readily procurable. Recent advices from the land of their origin report bush grades, unavailable, with scraped gums virtually "out for the duration," even if shipping space could be secured.

Glues and Binders

Casein. — OPA has issued a new Maximum Price Regulation, designated as No. 280, continuing in effect the temporary price ceilings on casein established by its Temporary Maximum Price Regulation No. 22, which, for legal reasons, could not be extended beyond its expiration date, December 3. The new order, therefore, continues indefinitely the price ceilings at the highs of September 28-October 2, so that the current prices still show a range from 19c. to 21c. per pound on the 20-30 mesh. The market for the domestic product is still rather quiet, although there have recently been more urgent inquiries from paper coaters and casein-bound paint makers. Argentine casein remains a dead issue, with offers being made from Buenos Aires at 5½c. to 7c., cost and freight, inasmuch as no import licenses are yet being granted.

Glues.—Hide glues continue in keen demand with the supply far short of requirements, although producers, in many instances, are operating their factories day and night. Bone glues are in less active request but are moving steadily into consuming channels. Prices are being well maintained throughout the list.

72d—OPD—Year

Paint, Varnish, Lacquer Sales: October

The value of paint, varnish, lacquer and fillers sold in October, as reported by 680 establishments to the Bureau of Census, was $44,121,665. Details of sales reported by these establishments and comparative data for 1941 follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments—Trade sales of paint, varnish, and lacquer.	Industrial sales—Total.	Industrial sales—Paint and varnish.	Industrial sales—Lacquer.	Unclassified sales reported by 100 establishments.
1942						
October	$44,121,665	$21,279,899	$17,906,344	$13,202,985	$4,703,359	$4,935,422
Total, 9 mos.	$454,482,661	$225,778,096	$179,009,027	$131,804,848	$47,204,719	$49,695,538
1941.						
October	51,138,488	24,724,475	21,453,628	14,911,591	6,542,037	4,960,385
Total, 9 mos.	$472,322,695	$238,703,565	$189,473,799	$135,565,659	$53,908,140	$44,145,331

Russian War Relief Dinner Nets $30,000

More than $15,000 was contributed to Russian War Relief, and another $15,000 was pledged, when over one hundred leaders of the paint and allied industries in this city met for a dinner recently at the Commodore hotel. The dinner was sponsored by the Paint, Lacquer and Varnish Division of Russian War Relief, of which deLancey Kountze, chairman of the board of Devoe & Raynolds Company, is chairman.

72d—OPD—Year

New England Paint Clubs Party Dec. 17

New England Paint, Varnish and Lacquer Association will hold a joint Christmas party with the New England Paint and Varnish Production Club in the Parker House, Boston, December 17.

Lieut. Commander Palmer H. Beam, USNR, pins the Army-Navy "E" on George W. Nieder, Vice President, in Charge of Sales, The Hilton-Davis Chemical Co., November 23, 1942.

. . . as it was pinned on, we were thinking of You!

There are those who will tell you sentiment has no place in business. It's not our purpose to argue that point. We're only reporting how we feel about our Army-Navy "E".

In the days leading up to the actual ceremony, we tried to analyse just *why* we are *where* we are. The only honest answer we could come up with was that *you* put us where we could do the job that merited the "E".

Temporarily, the greatest part of our production is for one customer — Uncle Sam. This means that you, who helped build Hilton-Davis, get only what is left. It's tough . . . and it can't be otherwise 'til "V" day. But we can and do say:

Thank you for your wholehearted understanding. You helped us win the "E". We look forward to the day when we can again help you.

Sincerely,

THE HILTON-DAVIS CHEMICAL COMPANY

CINCINNATI, OHIO

GUAI-A-PHENE

Conserves Materials—Improves Efficiency

If you're seriously cooperating in the war conservation and efficiency program, use GUAI-A-PHENE in your paint and varnish products.

This positive, inexpensive anti-skinning agent is simply added at any temperature up to 180 degrees. It mixes readily. It is neutral to driers.

D.D. WOOD TURPENTINE

Water-white, always uniform. Approximate Aniline Point minus 12 degrees Centigrade. Kauri-Butanol approximately 80. Fed. Spec. LLL-T-792.

DIPENTENES

	No. 100	No. 200	No. 300
Specific Gravity at 15.5°C...	.862	.859	.857
End Point.....	198°C.	192°C.	188°C.
Aniline Point	-21°C.	-15°C.	-12½°C.

Write For Samples and Prices

E. W. Colledge
General Sales Agent, Inc.
Jacksonville, Florida
CHICAGO: - 310 S. Michigan Ave.
NEW YORK: - 52 Vanderbilt Ave.
CLEVELAND: - 616 Guardian Bldg.
SAN FRANCISCO: - 583 Market St.

Oil Industry Allowed To Sell Frozen Stock

—Continued from page 7

tive uses should result in a corresponding decrease in the industry's requirements for new materials.

The new order removes the petroleum industry from certain restrictions of Priorities Regulation No. 13, under which certain stocks of materials are frozen and cannot be sold either within or outside an industry except by approval of the War Production Board or according to the terms of the regulation. The following provisions are embodied in P-98-c:—

A petroleum industry operator can sell to another petroleum industry operator any material he has in stock without obtaining prior permission from the War Production Board.

An oil operator can sell materials to an oil industry supplier only in accordance with provisions in Priorities Regulation No. 13.

An oil industry operator can sell materials to an operator in another industry only in accordance with the provisions of Priorities Regulation No. 13.

The new order does not authorize the receipt or use of materials in violation of any inventory, quota, or use restrictions imposed by any order or regulation.

All reports required to be filed and all communications concerning P-98-c, should be addressed to "Office of Petroleum Coordinator for War, South Interior Building, Washington, D. C., Ref: P-98-c," or "Office of Oil Controller, Dominion of Canada, Toronto, Canada, Ref: P-98-c."

72d—OPD—Year

No. 680 MINERAL BLACK

Used in manufacture of U. S. Gov't camouflage paints. Blacker than lamp black. Specific gravity 2.49. 1 lb. will hide solid 300 sq. ft. Infra-red reflectance reading only 3.1%. Fineness of grind 99½%—through 325 mesh. *Prompt shipment!*

TAMMS SILICA CO., 228 N. La Salle St., Chicago, Ill.

Paint Salesmen to Discuss Selling Problems

Paint Salesmen's Club of Chicago will hold a one-day conference on "Paint Selling Problems in Wartime," in the Brevoort hotel, December 12. Speakers will include Howard A. Tallon, president of the National Paint Salesmen's Association; Robert O. Clark, president of the Chicago Paint, Varnish and Lacquer Association; H. C. Bogie, president of the Chicago Paint and Varnish Production Club; E. B. Moran, of the National Association of Credit Men, and W. D. Beck, of the Association of American Railroads.

72d—OPD—Year

Shelmac Baked Enamel Company is the firm name under which Orville S. McKenzie and Lydia E. McKenzie have obtained a certificate to conduct business at 252 South San Pedro street, Los Angeles, Calif.

Chemical Wants Of U.S. Reported

—Continued from page 7

other departments of the government. The list follows:—

	Pounds.
Aluminum chloride	400,000
Aluminum oxide	35,000
Aluminum sulphate	30,000
Ammonium chloride	9,600,000
Ammonium nitrate	12,000,000
Annealing salt	8,000,000
Borax	600,000
Benzoyl chloride (War)	200,000
*Barium chlorate	22,000
Barium nitrate	1,300,000
Barium peroxide	90,000
*Barytes	3,200,000
Benzoic acid	90,000
*Bichromate of soda	7,708,000
Bismuth chloride	50,000
Boric acid	900,000
Citric acid (Army)	200,000
Chlorinated naphthalene	134,000
Cellulose acetate (flakes)	1,400,000
Cellulose acetate (sheets)	750,000
Calcium carbonate	200,000
Calcium chloride	1,000,000
Calcium cyanide	80,000
Caustic soda	4,000,000
Cellosolve acetate	400,000
Copper nitrate	9,000
Copper sulphate	9,000
Dibutyl phthalate (Army)	60,000,000
Dimethylanilin (Army)	1,200,000
Diphenylamine (Army)	1,000,000
Diethyl sulphate	70,000
Dimethylamine	60,000
Di-isobutylene (gallons)	80,000,000
Ethyleneglycol (War)	200,000,000
Formaldehyde	3,000,000
Fluoromethane Refrigerant	400,000
Ferric chloride	10,000
Formic acid	216,000
Glycerin	44,000,000
Guanidin nitrate (War)	12,000,000
Hexamethylenetetramine (tech.)	100,000,000
Hydroquinone	240,000
Koroseal (Army)	1,600,000
Koloxoline (War)	16,000,000
Lead acetate	26,000
Lethane (insecticide) (gallons)	15,000,000
Litharge	200,000
Maleic acid anhydride	205,000
Methanol	160,000,000
Methyl chloride	150,000
Monochloracetic acid	176,000
Oxalic acid	28,000
Oxalic acid (crystal)	80,000
Paraformaldehyde	2,400,000
Phenol	42,000,000
Phosphoric acid	100,000
Potassium bichromate	100,000
Potassium bromide	48,000
Potassium butylxanthane	1,600,000
Potassium carbonate	3,200,000
Potassium chlorate	1,800,000
Potassium chloride	120,000
Potassium cyanide	18,000
*Potassium ferrocyanide	40,000
Potassium nitrate (War)	78,000,000
Potassium permanganate	80,000
Potassium sulphate	4,000,000
Potassium tetroxide	500,000
Polyvinyl chloride (Navy)	700,000
Paris green	320,000
Pentaerythrite	7,000
Phloroglucin	300,000
Pinene (D. of A.)	1,000,000
Ramming mixture No. 28 (65 per-cent AL_2O_3)	50,000
Rust preventive compound (War)	352,000
Stearic acid	180,000
Stearic acid flakes	80,000
*Strontium nitrate	18,000
Strontium oxalate	6,000
Strontium peroxide	16,000
Sulphur (ground)	6,000,000
Sulphur (flower)	112,000
Sodium hyposulphite, anhyd	700,000
Sodium sulphite	70,600,000
Sodium sulphide	120,000,000
Triple superphosphate (D. of A.)	224,000,000
Triple superphosphate (Treas.)	90,000,000
Titanium oxide	22,000
Tricresyl phosphate	50,000
Triarsenate of lead	24,000
Thiokol	281,000
Triethanolamine	240,000,000
Vinylite qyna (War)	1,600,000
Vistonex	120,000
Zinc chloride	24,000
Zinc sulphate (dry)	1,860,000

72d—OPD—Year

Golden Gate Paint, Varnish and Lacquer Association will hold its annual Christmas party December 22 in the Palace hotel, San Francisco.

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products

STANDARD ULTRAMARINE CO.
HUNTINGTON, WEST VIRGINIA

PLYMOUTH STEARATES
ALUMINUM — ZINC — CALCIUM — MAGNESIUM
Established Qualities Manufactured for thirty years by
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Oils, Fats, and Waxes

Cottonseed Oil Firm Here and in Southern Markets — Offerings Continue Light—Linseed Oil More Active and Firmer on Rise in Flaxseed—Live Hog Receipts Increasing

Business in miscellaneous vegetable, animal and fish oils, fats and greases last week was still in the main of the same small-lot variety noted in recent preceding weeks, but sales of such quantities for the week showed an increase. Supplies of some edible and technical products were more readily obtainable through government agencies and sentiment in trade circles appeared to be rather more optimistic over the business outlook. The tone of the market in general remained firm.

The 3 percent transportation tax on domestic shipments became effective December 1. Manufacturers in some instances were said to be inclined to absorb this tax, but the more general procedure seemed to be the addition of the tax to the delivered prices quoted by individual sellers at point of shipment. In cases where official government ceilings existed sellers were said to be adding the 3 percent tax to the ceiling prices.

Speculative commodities were generally quiet but trading in flaxseed futures was stimulated by an announcement that the 1943 crop of flaxseed for oil will be supported at the beginning of the marketing year at not less than $2.70 per bushel for No. 1 seed at Minneapolis. Linseed oil was more active and firmer as a result of this report. Soybeans in 1943 will be supported at not less than $1.60 to $1.75 per bushel, depending on oil content, and hogs at not less than $13.25 per cwt.

The Agricultural Marketing Administration announced December 2 that it had contracted for the purchase of, 18,755,000 pounds of type one hydrogenated oils at prices ranging from .1554 cents to .1702 cents per pound, and 17,605,000 pounds of type two hydrogenated oils at prices ranging from .1483 cents to .1648 cents per pound. Companies supplying the oils were not named in the announcement.

Vegetable Oils

Babassu.—Firm at recently prevailing ceiling. Little available on spot.

Castor, Dehydrated. — Firm with basic material. Fairly steady movement.

Chinawood.—Sales of moderate lots noted in drums at 39½c. per pound.

Coconut.—Quiet and nominal in absence of offerings.

Corn.—Offerings light. Producers apparently still sold ahead.

Cottonseed.—Increase noted in demand for moderate lots of edible oil.

Mustard Seed.—Inquiry good. Output moving steadily on contracts. Tone firm.

Oiticica. — Supplies and offerings still limited, spot and futures. Firm at ceiling prices.

Olive.—Inquiries for domestic edible oil received more numerously. Market steady. Imported in light supply. Olive oil production in Turkey for 1942 larger than expected but export licenses not being granted owing to shortage of other oils.

Olive Foots.—Offerings light. Market firm. Inquiries noted.

Palm.—In limited supply on spot. Recent importations apparently applied mainly on unfilled contracts. Market firm.

Peanut.—Offerings still light, crude and refined. Production continues below expectations owing to inadequate supplies of raw material.

Perilla.—Interest stimulated to some extent by scarcity of competing oils. Local supplies light. Quotations maintained.

Rapeseed.—Quiet in absence of offerings. Quotations nominal.

Sesame.—Importations of seed without specific government authorization prohibited.

Soybean.—Inquiries noted. Offerings light. Mills sold ahead. Tone firm.

Olive Oil

Prices for edible olive oil remain far above normal, but are below the peak levels reached earlier in the war-period when the cutting off of importations created an active demand for spot supplies that carried prices sharply upward, not only on imported oil but for domestic product as well with the result that production in this country was expanded and the quality of the oil improved to an extent that apparently makes it compare favorably with the highest grade oils formerly imported.

According to some reports, consumption of domestic edible olive oil in recent weeks has shown an increase owing to the growing scarcity and high cost of imported oil. With military operations spreading in the Mediterranean area, which produces practically all of the foreign oil consumed in this country, importations in 1943 may fall below the light arrivals during the year now drawing to a close, especially as there appears to be a scarcity abroad of suitable containers for shipment of the oil.

In an official government report the apparent disappearance of edible olive oil in this country during the first half of 1942 was put at 10,000,000 pounds. There is an impression in some quarters that consumption during the second half of the current year will show an increase over these figures. In all of 1941 the apparent disappearance of edible olive oil was 22,000,000 pounds, while in 1940 it was 53,000,000 pounds.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
191.2	191.2	191.3	171.8

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Chicago—December 4

Vegetable oils fairly active. Corn oil, crude, 12¾c. per pound; refined, edible oil, 15¼c. to 15½c. per pound, drums, car lots; 15¾c. to 16c., drums, less than car lots; peanut oil, crude, South, 13c. to 13½c. per pound; soybean oil, crude, 11¾c. per pound.

The market for soybeans on the Chicago Board of Trade was quiet. Following is a soybean price record, per bushel, for the week:—

	High	Low	Closing Dec. 4	Closing Nov. 27
Dec.	$1.60¾	$1.58⅝	*$1.58¼	$1.61
May	1.66¾	1.66⅛	*1.66¼	1.67¼

* Asked.

San Francisco—December 3

Firmness still held the market here for crude and refined vegetable oils during the past week. Soybean has been moving fairly well.

Castor.—Number one at 17c. per pound, Pacific Coast in drums; dehydrated oil, unbodied, 20c.; bodied, 21c.

Chinawood.—Nominally 38c. per pound in tankcars.

Coconut.—Quoted 8c. per pound, crude grade, tankcars, f.o.b. Coast.

Cottonseed, Bleachable.—Quoted 14.15c. per pound, tankcars, f.o.b. San Francisco Bay area.

Oiticica.—Liquid quoted 25c. per pound, drums, f.o.b. Pacific Coast.

Sesame.—Crude 15c. per pound, tankcars, f.o.b. San Francisco.

Soybean. — Crude quoted 12.5c. per pound in tankcars, Coast mill basis. Eastern oil named here at 12.65c.

Linseed Oil

Trade here stimulated by rise in flaxseed futures. Contract movement fairly steady.

Linseed Oil.—The market here was more active, interest on the part of consumers being stimulated by an upturn in flaxseed futures in domestic markets. Early in the week considerable business in oil was reported to have been closed at 12c. per pound in tankcars, but later on 12.2c. per pound appeared to be an inside quotation, and some sellers were not inclined to accept much new business at that figure owing to the firmness on flaxseed in the Northwest, where the market had an upward trend on an announcement that on the 1943 crop of flaxseed for oil, 90 percent of the parity price will be calculated as of the beginning of the marketing year, but in no event less than $2.70 per bushel, basis No. 1 flaxseed at Minneapolis, which compares with the current price of $2.40 per bushel. Local linseed oil price schedules were generally held by crushers at previous levels. There was a fairly steady movement of oil from local mills on contracts. The output here is on a diminishing scale as some manufacturers are now devoting their facilities to the crushing of soybeans.

Minneapolis, Dec. 4.—No fresh feature developed in the oil market insofar as Midwest crushers are concerned. Light scattering sales for nearby shipment were reported from day to day. Strength in the flaxseed market stirred up a little trade. Shipping instructions continued fair to good, and out movement was liberal compared with year ago figures. Tankcar lots quoted at 12c. per pound;

Current prices on animal, vegetable, and fish oils (under Oil), fats and greases (under Grease) are given in the alphabetical list of prices beginning on page 9

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STOCKS CARRIED IN CLEVELAND • CHICAGO KANSAS CITY • MINNEAPOLIS • LOS ANGELES

cooperage, car lots, 12.9c. per pound; and warehouse lots, 13.3c. per pound, f.o.b. Minneapolis.

Shipments of oil in pounds were as follows:—

	1942	1941
This week	6,720,000	3,450,000
Since Sept. 1	69,540,000	59,730,000

San Francisco, Dec. 3.—Just before the market rose two points yesterday afternoon, considerable contracting ahead for linseed oil was noticed here. Shipments call for periods covering the next several months. Meanwhile, deliveries against old contracts are holding up well. Quoted:—Tankcars, 12.5c. per pound; drum car lots, ex mill, 12.9c.; drum lots, ex warehouse, 13.3c.

Chicago, Dec. 4.—Trade fairly good in linseed oil. Tankcar, 12c. per pound; drums, car lots, 12.8c.; drums, less than car lots, 13.3c.

London, Dec. 4.—Linseed oil, 46s. 6d. per cwt.

Linseed Meal.—Offerings lacking here. Market quiet and nominal.

Minneapolis, Dec. 4.—Still no settlement of the screwy price situation and very little linseed meal is being traded in. Some clarification may be available in the next few days, when the flour ceiling ruling is made. Demand of senators for a sweeping investigation of ceilings placed on farm commodities may loosen the situation up slightly. In the meantime shipping instructions are good and out movement of supplies is very liberal, heavier than it was a year ago. Severe weather stimulated a better demand for resale offerings. No prices quoted by crushers except occasionally.

Shipments of meal in pounds were as follows:—

	1942	1941
This week	13,280,000	12,330,000
Since Sept. 1	147,710,000	128,132,000

Flaxseed

The trend of domestic flaxseed futures was upward. Buying for an advance at Minneapolis was stimulated by a report that $2.70 per bushel has been fixed as the minimum price for No. 1 seed at Minneapolis at the opening of the 1943 crop marketing season. Crushers and commission houses were buyers of futures on this announcement.

Demand for cash seed in the Northwest was good and the moderate arrivals were readily absorbed. The country movement was lighter owing to severe Winter weather. Argentina crop news was favorable. The acreage in that country, however, was put in the final crop report at 6,129,000 acres, or 620,000 less than in the previous season.

Minneapolis, Dec. 4.—Local flaxseed receipts are moderate in spite of the lifting of the embargo against shipments from the country. Demand was good and prices gained on futures.

Deliveries on December contracts were more liberal than anticipated and the total to date is 274,500 bushels, including about one-third redeliveries. Some of the seed was old and has been carried from month to month for as long as eight years and is now being mixed off with better flax. There was only 18,000 bushels December flax open at the close of Tuesday's session.

Farm selling of flax is reported as light. Severe weather conditions tend to keep farmers at home. A Washington report that new-crop flax would be supported at not less than $2.70 basis Minneapolis, as of August 1 next, also encouraged holding by farmers.

This report on the new support level resulted in a sharp rally in futures. Crushers and commission houses bought and there was some short covering. Below $2.40 hedges were taken in freely. During the Tuesday session of the market there was considerable profit-taking and the market had a moderate setback. Some of the selling orders came from the East.

The week's closing flaxseed price range was as follows:—

	Cash	Dec.	May
Saturday	$2.40	$2.39	$2.45½
Monday	2.40	2.42¾	2.49½
Tuesday	2.40	2.44	2.51
Wednesday	2.40	2.45½	2.52¼
Thursday	2.41½	2.41½	2.51½
Friday	2.47¾	2.46	2.52¾

Crop movement in bushels follows:—

	Receipts		Shipments	
	1942	1941	1942	1941
This week	285,000	189,000	28,500	12,600
Since Sept. 1	13,566,400	6,260,285	1,317,500	1,023,000

Buenos Aires, Dec. 4.—Flaxseed, $1.20¾ per bushel. Exports this week, 16,000 bushels to the Continent. Total since January 1 as follows:—

To—	Bushels This year.	Last year.
United States	9,211,000	21,184,000
United Kingdom	2,206,000	2,455,000
Continent	821,000	977,000
Orders	.....	.....
Others	150,000	1,450,000
Totals	12,388,000	26,066,000

Visible Supply

	Bushels.
Last week	35,039,000
Previous week	34,842,000
Last year	26,181,000

Hull, Dec. 4.—Flaxseed, Calcutta, £23 per ton; Bombay, £27½.

Cottonseed Oil

Refined oil futures quiet here. Crude oil remained firm. Southern offerings light.

Cottonseed Oil.—The local market for refined oil futures continued quiet and general conditions remained much the same as in the previous week. The attitude of traders was still a waiting one. There were a few transactions in December, March and May early in the week at the ceiling price of 14.45c. Subsequent closing quotations showed some irregularity but the tone of the market apparently remained firm.

Crude oil was firm in the South. There was a good inquiry but business was hampered by light offerings. Mills still appeared to be sold ahead. Some crushers were said to be working on soybeans or preparing to do so. Competing oils and fats remained firm with offerings light.

Receipts of live hogs in Western markets were larger and a further increase is expected in the not distant future. Arrivals in the principal Western centers for four days of the week aggregated 432,600 head against 331,000 head in the same time last year. Stocks of lard in Chicago decreased 2,978,940 pounds during November leaving a total of 7,648,138 pounds against 119,150,820 pounds last year.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from November 30 to December 4, inclusive, comprised 8 contracts. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
March	14.45	14.45	14.35 bid
May	14.45	14.45	14.35 bid
December	14.45	14.45	14.45 bid

Crude, S. E., 12¾c.

Chicago, Dec. 4.—Cottonseed oil fairly active. Refined, edible oil, 16½c. to 17c. per pound, drums, car lots; 17c. to 17¼c., drums, less than car lots.

Hull, Dec. 4.—Cottonseed oil, refined, 49s. per cwt.; crude, Egyptian, 39s. 7½d.

Cake and Meal.—A firm tone continued to be reported in Southern markets. Inquiry more active. Offerings light.

Markets at Other Centers

Atlanta—Dec. 3

Dealers handling car lots report no meal available, either cottonseed or peanut. Report has it that there is a probability of no car lot purchases for three months. Mills are reported selling locally in small lots their entire output. Fertilizer demand is suffering most from the restricted market.

When available, cottonseed meal, 8 percent grade, is selling at the ceiling price of $28.50 to $29.00 per ton, mill points. Peanut meal, when available is selling in small lots at $28.50 per ton at mills in Georgia and Alabama.

Prime crude cottonseed oil is reported in active demand at ceiling prices.

Memphis—December 3

Trading in cottonseed products very quiet. Most mills sold well ahead and offerings remain light. Demand continues urgent at mills' ceiling prices. Cottonseed meal, 41 percent, $39 per ton, Memphis basis. Bulk cake, $35 per ton, Valley basis. Seed receipts have slowed down. Cotton ginning about finished in this section. No soybean or peanut products being offered at present; demand continues good. Closing cottonseed meal quotations on Memphis exchange were as follows:—

	Nov. 25	Dec. 3
December	$39.00@—	$39.50@—
January	39.00@—	39.50@—
March	38.50@38.85	39.00@—
May	—@—	38.50@39.00

Fatty Acids

Capric Acid. — Supplies continue light. Occasional inquiries noted. Quotations nominal.

Castor Oil.—Fair movement of moderate lots to local and other consumers. Market firm.

Cottonseed Oil.—Increase noted in volume of inquiries. Quotations maintained.

Linseed Oil.—Business along conservative lines. Movement fair.

Myristic Acid.—Raw material and

product reported in light supply. Market quiet.

Palm Oil.—Purchasing generally limited to moderate lots to fill current needs.

Red Oil.—Output moving steadily into consuming channels on contracts.

Soybean Oil.—Firm with raw material. Moderate lots wanted by resin makers and other consumers.

Stearic Acid.—Steady movement on contracts and new orders. Raw material in light supply and firm.

Tall Oil.—Quotations maintained. Tone firm. Inquiry fairly active.

Chicago—Dec. 4

The fatty acids market is fairly active. Corn oil, double distilled, 14c. to 14½c. per pound, tankcar; 14½c. to 15c., drums, car lots; 15c. to 15½c., drums, less car lots; coconut oil, distilled, 17½c. to 18c. per pound, tankcar; 18c. to 18½c., drums, car lots; 18½c. to 19c., drums, less car lots; corn oil, double distilled, 14c. to 14½c. per pound, tankcar; 14½c. to 15c., drums, car lots; 15c. to 15½c., drums, less car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅞c. to 4c.; boiled down soap stock, 65 percent basis, 4⅞c. to 5c.; cottonseed foots, 50 percent basis, 3½c. to 3¾c. per pound.

Fish Oils

Cod.—Firm here in company with primary situation. Offerings light. Local trade quiet.

Menhaden.—Refined oil quotations maintained. Tone firm. Purchasing limited to small or moderate lots.

Sardine.—Consumers of refined oil in market for moderate lots for prompt shipment. Market firm. Fishing news unfavorable.

Whale.—Local supplies light. Occasional inquiries noted. Tone firm.

STEARIC ACID
OLEIC ACID
(Red Oil)
DISTILLED
FATTY ACIDS
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and
Vegetable
RUFATS
(Hydrogenated
Fatty Acids)
WILSON & CO. INC
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

Markets at Other Centers

Baltimore—December 3

After fair menhaden fishing off the North Carolina coast, the weather again became unfavorable. During the past eight or nine days the boats have been virtually unable to do anything so that no additions of consequence were made to stocks of oil. Owing to the inability of producers to fill orders, trading in crude oil has stopped. Ceiling price still prevails. Refined oil in light supply and steady.

San Francisco—December 3

While bids for crude California sardine oil last week remained in the market at the ceiling figure of 66.75c. per gallon in tankcars, no business of any consequence was reported and most producers are sitting tight waiting the prospects of further production of oil. The catch of fish has been extremely light. For the week ending November 26, the California Sardine Products Institute reported that only 207 tons of raw fish were turned in at the various plants throughout the state.

Figures just made available show that at the end of October 7,651,411 gallons of crude California sardine oil had been produced as against 11,048,314 gallons for a similar period last year.

Fats and Greases

Grease.—Firm at recently prevailing ceiling prices. Numerous inquiries reported for all grades. Offerings still generally light on spot.

Lard.—Inquiries for cash lard received more numerously in some local quarters. Stocks in hands of consumers considered light. Market firm.

Stearin.—Fair inquiry locally. Offerings generally light. Market steady.

Tallow.—Output apparently being applied mainly on contracts previously placed. Supplies still reported light on spot. Many inquiries noted. Market firm at ceiling prices.

Chicago, Dec. 4.—Trade is a little more active in fats and greases. Choice white grease, 8⅞c. per pound; oleo stearin, 10.61c. per pound; inedible tallow, prime, 8⅝c. per pound. Following is a lard price record, per 100 pounds, for the week:—

	High	Low	Closing Dec. 4	Closing Nov. 27
Cash	$13.80	$13.80	$13.80	$13.80
Dec.	13.80	13.80	13.80	13.80
May	13.80	13.80	13.80	13.80

Animal Oils

Degras.—Consumers purchasing for current or nearby requirements. Movement steady. Quotations maintained.

Lard.—No broadening of trade was noted. Steady inquiry for moderate quantities. Market firm.

Neatsfoot.—Local spot trade fairly active. Market steady.

Oleo.—Business generally along conservative lines. Movement fair. Market steady.

Tallow.—Fair demand for moderate lots of spot material. Quotations steady.

Chicago, Dec. 4.—Animal oils quiet. Ruling prices are:—Lard oil, No. 1, 14½c.; oleo oil, 14c. to 14¼c.; tallow oil, acidless, 15c. per pound.

TALL OIL
Prime crude, saponifiable
drum lots or C/L
Prompt shipment from stock
A. J. RIMBERG CO.
117 Liberty Street New York

Waxes

Conditions changed very little in the market for waxes last week. In beeswax, it is a question of getting wax in primary markets at a price which would permit profitable business to be done at the price limits set by the official ceiling. And that is going to be a tough job, according to the trade. In carnauba wax, it is a matter of getting ships that will be permitted to load wax as a cargo. The prices in Brazil seem all right at the present time, but the matter of steamer space is all wrong. It is hoped that through the trade agreement reached recently between the governments of Brazil and the United States, fairly generous provisions for wax transport may be worked out. Meanwhile, the spot market has very little wax on which to do business. When it comes to candelilla wax, the Mexicans are just not shipping the material—and it could come by all-rail transport at a time when the spot position of carnauba would make for business in candelilla. That is the wax situation in a nutshell.

72d—OPD—Year

Oil Meals L.C.L. Markup Set by OPA

—Continued from page 7

which the processor may receive on small lot sales is correspondingly reflected in the cost of these commodities to the jobber, wholesaler and retailer. Furthermore, the jobber, wholesaler and retailer markup over his cost has already been previously prescribed under amendment No. 61 to supplementary regulation No. 14 to the General Maximum Price Regulation. Thus, the cost of oil meals and oil cakes to the farmer, who uses these commodities to feed his livestock—will actually and effectively be reduced $3 to $4 per ton, as was the intention of amendment No. 61. The prescribed less-than-carload-lot differentials are set in amendment No. 71 to supplementary regulation No. 14.

72d—OPD—Year

Oswego Products Corporation, Oswego, N. Y., plant was damaged by $500,000 fire December 1.

Asks Margarin Bids For 40,000,000 Lbs.

OPD Washington Bureau

The Agricultural Marketing Administration is inviting bids for 40,000,000 pounds of colored margarin. Offers must be made by December 10. The margarin must be of a quality suitable for use in the tropics and packed in 10-pound tins suitable for export. The containers are to be packed six tins to the case in a weather proof solid fiber carton.

The margarin can be made of any one of the three standard commercial combinations of oil, but each pound must contain not less than 9,000 units of vitamin A and not less than 500 units of vitamin D.

BEW Requires Space Report in Transhipments

—Continued from page 7

dress of the American shipper or freight forwarder must both be listed in the space for answering questions 2 and 3 on the application form.

In answer to question 14, the applicant shall enter the appropriate symbol indicating the general in transit license under which shipment is being made (for example, GIT-B/B).

The answer to question 17 is to be left blank. The shipping rate will be assigned following submission of the application.

In the case of general in transit shipments weighing less than 2,240 pounds, shippers must incorporate in the export declaration a statement as follows:—

"I (we) certify that freight space for the merchandise described herein was obtained as a result of approval by the Board of Economic Warfare of my (our) application for freight space (BEW 138) Serial No. ———."

As heretofore, applications for the movement of shipments weighing over 2,240 pounds originating in Canada must be filed by the Canadian shipper on the prescribed form which shall be sent to the Shipping Priorities Committee, West Block, Ottawa, Canada.

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Established 1855
Spermaceti Red Oil Glycerine
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WARRANTED PURE BEES WAX

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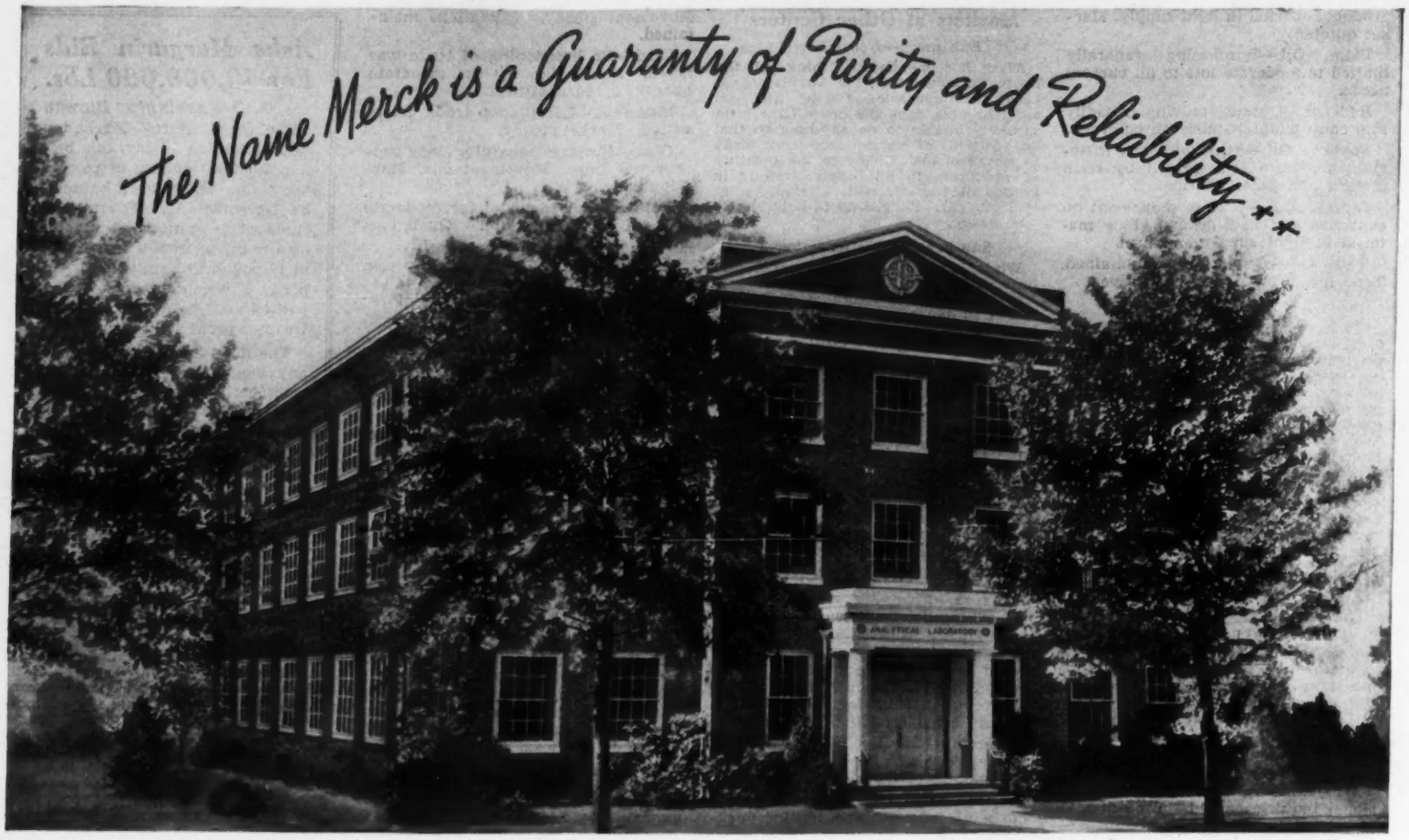

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Drugs and Fine Chemicals

Fish Liver Oils Bought Heavily by AMA—Bill Permitting Silver Sales By Government Approved by Senate Committee —Ascorbic Acid Down

Price activity in the market for drugs and fine chemicals last week was restricted to a reduction in the quotations on ascorbic acid. A new low price was established on this vitamin, the consumption of which is huge in size at the present time. Otherwise, the market was notable for firmness of price schedules and the absence of more than an extremely small amount of price competition.

Fish liver oil purchases by the Federal agencies for use in lend-lease operations and also in the territorial food program of the government were reported at 119,940 pounds in a statement made by the Agricultural Marketing Administration. The purchases included oil bought on both coasts and also oil imported from Mexico.

Production and sales totals on powdered milk were released by the Bureau of Agricultural Economics. The data covered October operations, and showed total production of skimmed milk powder to be 18 percent smaller than in September, compared with a decrease of only 11 percent a year ago. Production of spray-dried milk averaged 12 percent less than that of roller-dried goods. October production of skimmed powder for human consumption was 35 percent higher than a year ago. The gain over September output was 42 percent. Ninety percent of all skimmed milk output from November 5 to November 30 was set aside for the AMA.

Silver came into the news again when the Senate Banking Committee approved a bill which would permit the Secretary of the Treasury to sell unpledged government-owned silver on recommendation of the War Production Board.

Acetamide. — Market continued steady to firm. Business maintained well at close to the top of recent volume.

Acetanilide.—Little change from strong position. Manufacturers would welcome additional supplies raw material. Actual needs, if met, would require expanded output.

Acetone.—Tighter position continued to develop. Surplus well absorbed and demand shows no slowing down. Not a trace of even occasional price concessions.

Acetophenetidin.—Steady to firm. Excellent activity tends to exceed available spot supplied. Demand expected to hold high.

Acid, Acetylsalicylic.—Rise in seasonal demand for civilian account finds production taken promptly and little chance for totals being raised now. Raw material insufficiencies noted.

Acid, Arsenous.—Not too much USP material available. Item subject to complete allocation under broad allotment control of basic arsenic.

Acid, Ascorbic.—Price down to $1 per ounce. Demand high and production pushed strongly. Federal operations likely to continue on broad scale. No surplus supply.

Acid, Citric.—Recent report, Agricultural Market Administration, made lend-lease purchase totals 316,000 pounds. Business placed in East and on Pacific Coast. Government paid producers' basic schedule according to quantity taken.

Acid, Cacodylic.—Many quarters unable to offer. Leading producers report firm, reasonably active market maintained at full prices.

Acid, Fumaric.—No exceptional activity. Steady call for moderate-sized quantities sufficient to maintain recent going prices.

Acid, Gallic.—A market for far more N.F. material than can be produced continued in effect. Most sellers limit quantities delivered.

Acid, Hydriodic.—Steady in keeping with the position, most iodine derivatives. Demand routine. Mainly along jobbing lines.

Acid, Lactic.—USP steady to firm. Call moderate but well sustained.

Acid, Mandelic.—Buyers' interest shows some improvement. Firm prices and market fails to disclose any tendency toward competition.

Acid, Nicotinic.—Firm with demand comparing well with the excellent movement into consumption. Production moves promptly. No surplus.

Acid, Phosphoric.—Special price on USP 85 percent material when taken in deliveries of 10 carboys or more. Selling at 10½c. per pound. Smaller lots at upwards of 12c.

Acid, Pyrogallic.—Stocks inclined to be short compared with demand. Output controlled by not too ample supplies, raw materials.

Acid, Tartaric.—Little new. Producers report little difficulty in moving all current production promptly. French North African raw material expected to reach here eventually.

Alcohol.—Federal bodies still pushing investigations aimed at increasing use of the alcohol process for making synthetic rubber. Industrial needs taking up production promptly with national needs continuing to display a rising curve.

Alpha Tocopherol. — Excellent call. Inquiry broad, with requirements tending to rise. Production now on very fair basis.

Ammonia Chloride. — Firm undertones in market for USP goods. Curtailment of raw material availability keeps production conservative.

Ammonia Phosphate.—More demand for N.F.V. material. Larger number of buyers in market, and quantities needed show rising trend. Firm undertones.

Amyl Acetate.—Consumption maintained at satisfactory limits. Business up to recent totals. Prices firm for all kinds of this item.

Argols.—Makers of tartaric acid and tartrates eye French North Africa as war events tend to free stocks of this item for shipment. Likely to find prices high. Germany bought liberally with French francs purloined in occupied France and obtained in unoccupied France by devious methods.

Barium Sulphate.—X-ray article under good demand. Civilian and military necessities taking liberally of fair-sized domestic output. Steady undertones.

Price Changes

Advanced

None

Reduced

Ascorbic acid, 25c. per oz.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
238.6	238.6	237.1	226.7

Market news that may have developed after this report was sent to press will be found on page 4.

Association Meetings

National Association of Insecticide and Disinfectant Manufacturers, Hotel Roosevelt, this city, December 7 and 8.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 9

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Berberine.—Sellers report market currently quiet. Demand on hand-to-mouth basis most of time. No weakening of price views of leading producers.

Bismuth Metal and Salts.—War uses of metal likely to rise. Substituted for metals far more scarce than bismuth. Salts steady in absence of much competition. Supplies ample now.

Bromine and Bromides.—Not a trace of demand subsiding. Future production well engaged. Military program absorbing plenty of bromine.

Brucine.—Market understocks. Output kept moderate by need to conserve raw materials for making strychnine. Demand good.

Butyl Alcohol.—Activity maintained at recent volume. Producers report little competition current in market now.

Cadmium.—Some users find difficulty in getting satisfactory substitute for cadmium no longer available to them. Control kept tight in interest of meeting war program requirements.

Caffeine.—No curb to demand. Little chance to expand output. Main producers find production well engaged into more distant future.

Calcium Gluconate.—Little competitions. Demand on moderate side, but very steady.

Camphor.—War needs get preference and run fairly high. Synthetic production probably at all-time high. Prices low, considering consumption.

Castor Oil.—Main difficulty is not selling out, but in getting sufficient raw material from Brazil. Federal purchases huge at source. Reported that difficulty with storage facilities here is unsolved problem. Brazil also reported pressing government to move stocks from Brazilian warehouses.

Chicago, Dec. 9.—Castor oil market quiet. Prices are:—Cold pressed, U.S.P., 14½c. per pound, returnable drums, car lots; 15¼c., drums, less than car lots; 12¾c., tanks; No. 3, extracted, 14½c. per pound, returnable drums, car lots; 15c., drums, less than car lots, 13½c., tanks.

Cocaine. — Military needs account for most of the current rise in demand.

Codeine. — Civilian requirements show rise normal for early Winter months. All requirements, regardless of kind, being met now.

Codliver Oil. — Britain reports increase in quantities oil available. Situation assured infant and children requirements will be met fully. Britain bought heavily of Iceland production. Took much of Canadian, too.

Collodion. — Sales rise moderately. Buyers find sellers conservative in tenders. Production not too ample.

Cream of Tartar.—Output may rise once raw materials begin to flow from Morocco and other French North African sources.

Creosote.—Demand heavier as Winter brings rise in requirements. Stocks scarce, most quarters. Some require headquarters' approval of every order taken.

Diamyl Phthalate.—Sales excellent with additional calls likely to create increasing sales totals.

Ephedrine. — Demand for wholesalers, this article, shows usual seasonal rise. Synthetic article in excellent production. Little chance now for the natural product.

Epsom Salt.—Business along normal lines. Rather routine in character. Has very steady qualities. Full price stability.

Fish Liver Oils. — Lend-lease and territorial food program of Federal government accounts to liberal buying of practically all kinds of fish liver oils. Total recently reported by Agricultural Marketing Administration 119,940 pounds.

San Francisco, Dec. 2.—Government purchasing of vitamin oils constituted the main interest in the market here last week, coincidental with reports of an improvement in the soupfin shark catch. While the market had a flurry of inquiries from the private trade previously to this, pharmaceutical houses are not showing any concerted desire to purchase in quantity. Sellers' ideas on 100,000-unit A oil are in the neighborhood of 16 cents per million, while purchasers are disinclined to pay this.

Formaldehyde.—Military needs well met. No surplus available. Production limited by availability of raw material. Production schedules met.

Furfural.—Synthetic rubber production calculated to reduce quantities available for other uses. Outlook favors excellent consumption for duration.

Glycerin.—With every pound possible being squeezed from soapmakers stocks, output of glycerin holds at high volume and actually rises moderately at times. Outmovement from refiners reaching high totals with needs met reasonably well and without too much difficulty.

WANTED: a highly antiseptic chemical
for concentrated antiseptic mouthwash use. Must be economical, not subject to priorities, and not a mercurial compound. It should be, preferably, colorless, readily and clearly soluble in alcoholic and mixed aqueous dilutions—non-irritating to mouth membranes—agreeable tasting in finished product. Send particulars and copies of test reports to Box 175, Oil, Paint and Drug Reporter.

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Gold Chloride.—Elimination of gold mining not crippling current production of this chloride. Chlorine situation a more influential factor.

Chicago, Dec. 9.—Glycerin market beclouded by governmental restrictions and the general uncertainties prevailing in a wartime period. Prices for both chemically pure and high gravity are:—Tank-car, 18c. per pound; drums, car lots, 18¼c.; drums, less than car lots, 18¾c.

Homatropine Hydrobromide.—Very firm and subject to substantial price stability in absence of excessive stocks. Demand good.

Hydrastine.—Needs being met out of domestic production which reaches satisfactory totals. Little competition, this market.

Hydrastinine.—Many former sellers report no stocks. Others report moderate holdings.

Hyoscyamine.—Fair reserve built by leading producers. Price stability main feature of current market. Activity moderate.

Iodine and Iodides.—Consumption eats slowly into fair-sized raw material stocks warehoused here against just such an emergency as now hits shipping from primary market.

Iodoform.—More demand. Gain in takings as part of military establishments rising needs.

Iron Acetate.—USP goods quiet but very steady. Most buying routine in character and along jobbing lines at moment.

Iron Chloride.—USP call not better than fair but also very steady for moderate-sized quantities.

Iron Citrate.—No surplus of this material. Deliveries curtailed and curbed. Sellers disposed to allocate present production to conform to reduced stocks of citric acid.

Iron-Ammonia Citrate.—Position virtually identical with that in Iron-Citrate above.

Lithium Citrate.—Production curbed by raw material situation. Sellers keep deliveries down to basis proportionate with citric acid deliveries.

Magnesia Carbonate. — Occasional lots of surplus material reported by second hands. Producers say not much of such material on market. Volume holds.

Magnesium Hydroxide. — Demand gains. More inquiry noted and sellers show disposition to cover somewhat farther ahead.

Magnesium Trisilicate.—Little surplus of supplies. Demand very steady and quantities taken eat into producers reserves moderately. Firm prices.

Mercurials.—Movement well up to recent volume and without signs of early recession. Up to now, consumer requirements have been met in full. Sufficient quicksilver reaching manufacturers.

Methanol.—Strength and stability the keynote of this market. Consumer needs run to high gallonage but are met on fairly satisfactory basis. Practically no competition in market at present.

Methyl Acetone.—A slow item which responds but sluggishly to leading sellers' attempts to raise consumption.

Milk Powder.—October production, skimmed milk powder, reported at 21,590,000 of spray. Total, all kinds, estimated at 36,000,000 pounds. Sales totaled 44,621,976 pounds for human consumption and 3,099,909 for animal feeds, skimmed milk powder. Whole milk powder sales totaled 6,087,454 pounds. Average price, October sales, skimmed, 12.92c. per pound; whole milk, 29.82c.

Milk Sugar.—In very short spot supply with prices having something of a nominal aspect. Production behind demand.

Morphine.—Opium stocks providing sufficient raw material to assure armed forces requirements will be met fully. No civilian shortage yet noted.

Neocinchophen.—Main attribute of market is price stability and maintenance of a satisfactory volume of sales.

Opium. — Narcotic manufacturers continue to receive shipments from primary market points. Consumption reported running to comparatively high totals as national needs mount.

Oxyquinolin Sulphate.—Some say demand has jumped considerably. Gain made up of numerous orders mainly for moderate quantities. Prices stable.

Pectin.—Agricultural Market Administration bought 73,333 pounds dry pectin on November 24; 40,000 pounds at 85c. per pound, 33,333 pounds at $1.27½.

Phenobarbital. — Movement steady. Little change from day to day, but totals reach fair proportions and hold prices well stabilized.

Phenolphthalein.—Sales upped moderately from buyers in jobbing quantities. Quantity transactions about normal. Little competition.

Phenothiazin.—Schedule on unmodi-

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fied material holds steady. So does demand.

Phenylhydrazine. — Rather routine interest at moment fails to dislodge generally firm position of entire group.

Pilocarpine.—Reserves in fair shape but nothing like a normal surplus reported locally. Prices definitely on firm side. Not much competition.

Podophyllin.—Held firm at stable price levels in keeping with total absence of weakness in raw material position. Demand about normal.

Potash Citrate.—Adjustment of deliveries to consumers to basis in line with reduced production results in all pressing requirements being met.

Potash Guaiacolsulphonate.—Lack of normal supplies of guaiacol counts against normal supply of this item. Seasonal requirements show improvement normal for Winter period.

Potash Hydroxide.—USP sticks in fair supply without constituting an important spot surplus.

Potash Hypophosphite. — Holding steady and deliveries reported on reasonably prompt basis. Trade about normal for this season.

Quicksilver.—Firm under undiminished demand so far as this market goes. Surplus supplies at minimum here. Undertones strengthen as output shows some decrease.

San Francisco, Dec. 2.—Some spot and nearby quicksilver was moving here last week at $192.50 per flask, with supplies not too plentiful. Market remains firm with the larger mines well sold ahead. Inquiry fair.

Quinine.—Control of this article brings rising interest in substitute materials. Numerous inquiries as to sources received last week. Sales to civilians only by prescription reduces wholesalers' requirements.

Rochelle Salt.—Production will gain once the reopening of raw material sources in French North Africa finds ships available for transport. Prices expected to rule high.

Riboflavin.—Active and selling at high volume limits.

Saccharin.—Little beyond imperative needs being supplied. Production controlled by moderate quantities, raw material, released for saccharin production. Output at fairly high levels.

Salol.—Firm but lacking more than normal sales request.

Santonin.—Inquiries for Spring deliveries developing. Indicate probability of substantial consumption then. Prices stabilized.

Saponin.—In fair request and not overly well stocked on spot so far as non-poisonous article is concerned.

Seidlitz Mixture. — Production may rise if makers are able to get raw material delivered from reopened French North Africa territory.

Silver Nitrate. — Senate Banking Committee on December 2 approved bill which would permit sale or lease of unpledged government silver to further war program needs. Silver senator reported against approval. Government-owned silver could be sold by Secretary of the Treasury only upon recommendation of chairman of War Production Board. The average sales price would have to be at least 50c. per troy ounce. The schedule of silver nitrate prices since the last report in 250-ounce quantities—500 ounces would cost ¼c. less—together with comparative prices on silver bullion in New York and London, was as follows:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	32%	44¾	23½
Monday	32%	44¾	23½
Tuesday	32%	44¾	23½
Wednesday	32%	44¾	23½
Thursday	32%	44¾	23½
Friday	32%	44¾	23½

Vitamins.—Producers of vitamin C reduced quotations to minimum basis of $1 per ounce. All time low. Schedule:—500 ounces, $1.01; 100 ounces, $1.02; 50 ounces, $1.04; and 25 ounces, $1.07.

72d—OPD—Year

Allied Organic Corporation has completed its new plant at 506 East 74th street, this city, for the manufacture of pharmaceutical chemicals. Arthur Shaw, president, is managing the new enterprise.

Technical Adviser

William B. Baker has been appointed head of the technical service department of the Calco Chemical Division of the American Cyanamid Company, according to an announcement by Dr. Carle M. Bigelow, director of the pharmaceutical department. Mr. Baker was formerly connected with Sutliff & Case Company.

Drug Makers Complain About Questionnaires

—Continued from page 3

ington with sufficient intelligence to handle it."

The hearing was opened by C. M. Van Kirk, vice-president of E. R. Squibb & Sons, appearing at the request of the American Drug Manufacturers Association, who described some of the questionnaires and forms which the drug industry is being called upon to fill out. He was supported in his complaint by Ernest Brier, assistant to the president of Parke, Davis & Co., Detroit, and by John J. Feldman, assistant to the president of White Laboratories, Newark, N. J.

Drug Makers Role in War

After pointing out the important role which the drug manufacturers are called upon to play in supplying the armed forces with their drug requirements, Mr. Van Kirk emphasized that the industry also is faced with the dual responsibility of seeing to it that the civilian population is adequately supplied with drugs. War requirements for drugs last year were in excess of $400,000,000, he said, and this year the requirements will be even greater.

But while the industry is being called upon to carry the double burden, he continued, it also is faced

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with the same problems of loss of manpower to the draft and other industries that are being faced by other manufacturers. The result is that the accounting departments where most of the questionnaires and reports finally find their way are largely made up with inexperienced personnel which must not only find the answers to the questions asked by the government but must also carry on the other work incident to the submitting of bids for supplying the army and navy with their needed drug supplies.

Some appreciation of the problems thus involved, Mr. Van Kirk said, might be gained from the knowledge that the Squibb company submitted bids within the past 90 days on $41,000,000 of drug products which is more than the total sales of the company last year.

Vitamin Questionnaire

Mr. Van Kirk directed particular attention to the questionnaire sent out by OPA early in November on vitamins and to the reports that must be filed whenever a new product is placed on the market. In large measure the information sought in the vitamin questionnaire is a duplication of that supplied by the industry to the Fish and Wildlife Service which, incidentally, has changed its reports from a quarterly to a monthly basis. The vitamin questionnaire when completely filled out by his firm, he said, will measure about four wide and twenty feet long. The questionnaire was received on November 3 with instructions to have it filled out and returned to OPA by November 7, four days later.

Report on New Products

As to the report on new products, he continued, OPA has changed its definition of what constitutes a new product to include any product proposed to be marketed which differs in any respect, no matter how minor, from its original, whether it be a change in the formula, style, or package. He said he learned of this two months ago when two representatives of the OPA called upon his concern with the request that it fill out "new product" forms for every product in which there has been any changes made.

Questions Authority

Mr. Van Kirk said that there have been literally hundreds of changes in the style, packaging and formulas of the products—made at the request of the WPB for the conservation of scarce materials. Many of the changes have constituted nothing more than changing the closure from a metal to a plastic cap but nevertheless OPA requires that a form be filled out giving in detail all the costs of manufacture of the product, administrative expenses, etc., so that it can be priced under the "new product" formula. To prepare the information being demanded, he said, will require months of work, and "we don't propose to do it unless instructed to do so by competent authority."

Prices for New Drugs

Mr. Van Kirk also pointed to the long delays encountered with OPA in attempting to obtain action on proposals laid before it, citing as an example a new antipertussis serum developed by Squibb & Sons for the treatment of whooping cough. The necessary form covering new drugs was filled out and filed with OPA May 13 with a request that it be acted upon promptly because the drug had been tested and found to be a good remedy for whooping cough.

For the next six weeks, he said, he was receiving calls from OPA for additional data and information concerning the product until finally he served notice on the agency that unless it acted on the price for the drug promptly he would submit proof to proper authorities that OPA had been responsible for the deaths of a number of children because of its pussyfooting. The action sought came through 24 hours later, he stated.

New Cost System

Going back to the vitamin questionnaire, Mr. Van Kirk said in reply to Chairman Byrd that he did not know the purpose of the questionnaire nor has he ever been able to find out. An effort to discover its purpose was made, he said, but "we were told the OPA spent a lot of time preparing it and please get busy and fill it out."

To meet the requirement, Mr. Van Kirk continued, it meant that the firm would have to set up a new cost accounting system, different from that now required by the Treasury Department in computing income taxes, and differing even from that called for by OPA in reporting the costs of new drugs. He called Robert Burns, head of the proprietaries and cosmetics section, and attempted to explain some of the practical problems involved in answering the questionnaire "but we were politely told this is the way OPA wanted it done."

Army-Navy Needs First

He said that Squibb & Sons spent $72,500 last year in filling out government reports and questionnaires, including tax returns, and this year it would spend over $100,000. He added that he believes the orders of the Army and Navy for drug supplies should come ahead of answering questionnaires and that is the policy his organization intends to follow.

Mr. Brier said that the problem of questionnaires "has been growing on us." He said he recognized that many are necessary, but the breaking point is being reached. OPA reports, he added, are breaking the camel's back.

Reciting an experience he had with OPA Mr. Brier recalled that an OPA agent called upon him on July 31 for information on some thirty-one vitamin products. OPA had to have the information immediately, he was told, and the company dropped other work and got it together in two days. Then in November the vitamin questionnaire came in with many of the same questions asked before.

300 Hours on One Report

He said he was not opposed to spending money to hire people to fill out the questionnaires but the difficulty is that the people are not available. The turnover of labor in the cost and accounting department where the questionnaires find their way has been 90 percent to date. He estimated it would take from 300 to 350 hours work by an experienced staff to fill out the vitamin questionnaire alone.

Mr. Feldman testified that the vitamin questionnaire of the Fish and Wildlife Service was received November 13, about ten days after the OPA vitamin questionnaire came in. The Wildlife questionnaire used to be quarterly, but now it is to be monthly, he said.

Henderson Answers Van Kirk

Leon Henderson, Price Administrator, in answer to statement made by C. M. Van Kirk regarding the delay his company experienced in getting a price at which to sell its antipertussin cough serum, issued the following formal statement:—

1. E. R. Squibb & Sons could have sold the product subject to later price determination by OPA.
2. E. R. Squibb & Sons applied for the price in a letter dated May 13, 1941.
3. In a letter dated May 19, OPA advised the applicant that additional information was necessary before the price could be fixed.
4. In a letter dated May 29 the additional information was supplied by the company.
5. In telephone conversations subsequent to May 29 the company made the additional request that price instructions also be worked out for their retailers.
6. This was done and the order issued June 19, effective June 20, giving E. R. Squibb & Sons the manufacturers' price, which had been applied for—$12.50 per vial.

Mr. Henderson added:—

I was amazed to read Mr. Van Kirk's admission that he had withheld his product from the medical profession which he claims was so sorely in need of it to save the lives of children, merely to have a dollar value placed on it, particularly when he and his representatives knew that a price order was being drafted.

72d—OPD—Year

York Joins Warwick

David E. York, formerly of the Sandoz Chemical Company, recently joined the Warwick Chemical Company, West Warwick, R. I., as director application research. Mr. York is a graduate of the New Bedford Textile School. He was associated with the U. S. Finishing Company in their Providence, R. I., and Norwich, Conn., plants for several years.

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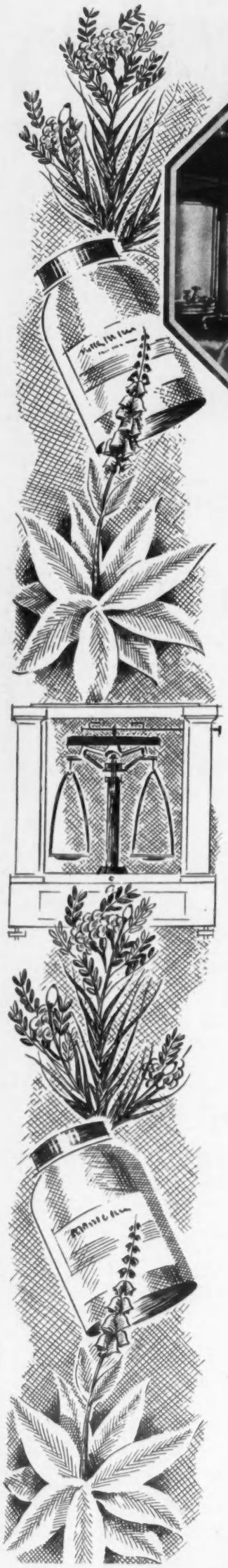

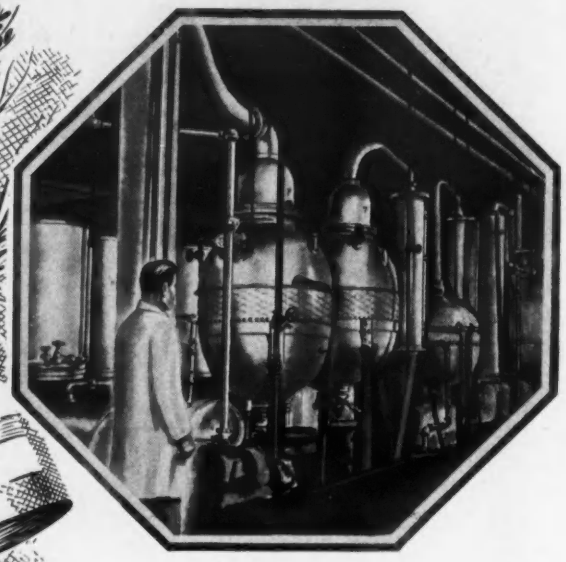

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Staffed by competent and trained personnel equipped with modern facilities, S. B. Penick & Company is ideally situated for the job of keeping pharmaceutical producers supplied with a steady supply of these vital products. We pride ourselves on our long years of experience, world-wide facilities and ingenuity in maintaining our stocks of botanicals. The obstacles of war scarcities have been largely met by us. We have grown some of these in the Western Hemisphere and, in other cases, our representatives have uncovered new sources of supply.

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Botanical Drugs, Spices, and Gums

British Control Ceylon Spices—Transfer to London Doubted—War Shipping Board Opposed to Import of Indian Seeds and Spices — Market Eases

In keeping with conditions usual to the month of December, business in the botanical drug market assumed an exceptionally quiet position last week. At no time in recent periods had volume been near to normal nor had it been even near to satisfactory, but it was still ahead of that noted during the period under review.

During the week it became clear that getting import licenses for seeds and spices from India was going to get harder and tougher. Contacts with the War Shipping Board revealed that that body was frowning blackly on granting such permits, preferring to allot space for what it views as far more important merchandise. Incidentally, prices on most Indian articles are higher than spot goods at this time.

Another development of potential interest and effect on spices from Ceylon was the report that the British government had taken over full control of stocks and their future disposition. The trade here understood that the control would be through a food administrator along lines similar to the Jamaican control of pimento. Recently, the Jamaican food administrator gave permission for the pimento trade to function in sales in a way normal to the trade. It was not clear that this would be followed by the British in controlling sales of Ceylon spices.

Balsams

Peru.—Business is somewhat more brisk. Orders for small lots numerous. Prices show substantial strength in absence of competition.

Tolu.—Not very active but exceptionally steady as to price. Stocks moderate.

Barks

Angostura.—Shaded to 22c. to 23c. per pound as demand lags and supplies press for reduction.

Black Haw.—Sold under competition at 39c. per pound for root bark. Tree bark unchanged.

Cascara Sagrada.—Quiet on spot. No change in open quotations. Some suggestion of possible shading with firm order in hand.

Cocillana.—Slightly lower at 20c. to 21c. per pound. Most dealers maintain previous quotations. Demand running very well.

Lemon Peel.—More inquiry. Quantities sought larger than of late. Prices hold firm in all respects. Stocks conservative.

Sassafras.—Signs of freshening of spot demand expected to mature with turn of the year. Quotations definitely steady, all directions.

Soap.—Quiet. About steady. Some question of getting space on ships from source. Local supplies in very good shape.

Wahoo.—Very firm, country and spot. Not much call locally. Stocks of source held in firm quarters. Not excessive in size.

Beans

Calabar.—Confirmed at strength of spot position and difficulty in getting substantial quantities for delivery.

Vanilla.—Good news from French Oceania. Reunion comes under Allied control. Probably means that all islands producing Bourbon vanilla will be freed from all Vichy influence. Still much questioning of ability of exporters to get ships to send beans here. Federal government turns to vanilla flavoring in tablet form.

Berries

Cubeb.—Whole XX berries spot at 70c. to 75c. per pound. Consumers report receiving offerings low as 60c.

Fish.—Fair supplies reported. Demand dull and along jobbing lines. Prices hold very steady.

Flowers

Arnica.—Shaded in actual transaction to basis of $2.65 per pound minimum. Few have goods to offer. Not all holders follow market down.

Chamomile.—Holding very steady. Offerings reaching here from Argentina. Current transactions along conservative lines. Fair holdings.

Clover.—More competition noted than in recent weeks. Sales at 21c. to 22c. per pound reflect a slight price reduction. No tendency to extend drop.

Elder.—Inquiry slow and sales along jobbing lines bring quotations to basis of 77c. to 78c. per pound.

Lavender.—Limited quantities of far from normal quality flowers offered under fairly steady price conditions.

Mullein.—Doing better as to sales volume but no price improvement.

Rose.—Some horrible quality pale buds floating around on spot. Offerings bring no orders. Fair quality merchandise at 32c. to 33c. per pound.

Saffron.—Spanish flowers down to $32 to $33 per pound. Stocks still substantial. Decrease but slowly as result of limited jobbing interest.

Gums

Ammoniac.—Stocks are the smallest ever. Strong position for very inactive item.

Arabic.—Attempts to improve price position fail. Sorts pressed actively

Price Changes

Advanced

Arrowroot, bbls., ½c. per lb.
Allspice, Mexican, ½c. per lb.
Pimento, ½c. per lb.
Sesame seed, Indian, natural, ½c. per lb.
hulled, sterilized, ¼c. per lb.

Reduced

Angostura bark, 1c. per lb.
Arnica flowers, 5c. per lb.
Anise, Cyprus, 1c. per lb.
Ecuador, 1c. per lb.
Mexican, 1c. per lb.
Syrian, ½c. per lb.
Belladonna root, 5c. per lb.
Black haw, root bark, 1c. per lb.
Cocillana bark, 1c. per lb.
Clover tops, 1c. per lb.
Canary seed, Argentina, ¼c. per lb.
Caraway seed, Syrian, 3c. per lb.
Celery seed, Indian, ½c. per lb.
Coriander seed, Morocco, ½c. per lb.
Cumin seed, Morocco, 2½c. per lb.
Cyprus, 1c. per lb.
Persian, ½c. per lb.
Indian, ¾c. per lb.
Cinnamon, Ceylon, No. 2, 4c. per lb.
Clove, Zanzibar, ¼c. per lb.
Ergot, 15c. per lb.
Elder flowers, 1c. per lb.
Horehound herb, 1c. per lb.
Licorice root, Indian, 2c. per bl.
Marjoram, Chilean, 1c. per lb.
Nutmegs, West Indian, 1c. per lb.
Poppy seed, Indian, ½c. per lb.
Paprika, Portuguese, ½c. per lb.
Spanish, 1c. per lb.
Rose flowers, pale, 3c. per lb.
Senega root, 2c. per lb.
Sage, Spanish, 3c. per lb.
Cyprus, 3½c. per lb.
Stramonium leaves, 1c. per lb.
Sesame seed, Chinese, ¼c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
258.6	260.5	257.5	313.6

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 9

CHECK YOUR NEEDS
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CRUDE DRUGS

If it is humanly possible to get it, Hopkins has it! The list of botanical drugs offered below is only a small part of those being supplied daily by us. To be sure, we are not magicians. We cannot pull rabbits out of hats. But we can and *do* cooperate with our customers even beyond the limits of reasonable expectations. For your requirements, remember, the House of Hopkins has been the last word, for over 52 years, in every foreign and domestic botanical crude drug for which there is commercial demand.

- ALOES
- ANISEED
- BALDO LEAVES
- BELLADONNA
- BENZOIN GUM
- BUCHU
- CELERY SEED
- CHAMOMILES
- CINCHONA BARK
- COCILLANA
- CORIANDER
- CORN SILK
- DANDELION
- ERGOT
- FENNEL SEED
- FOENUGREEK
- GENTIAN ROOT
- GINGER
- GUM ARABIC (all kinds)
- HENBANE
- HOREHOUND
- IPECAC
- IRISH MOSS
- JUNIPER BERRIES
- KOLA NUTS
- LAUREL LEAVES
- LAVENDER FLOWERS
- MARJORAM
- OLIBANUM GUM
- ORANGE PEEL
- PAPAIN
- PEPPERMINT
- PSYLLIUM SEED
- QUINCE SEED
- RHUBARB ROOT
- ROSEMARY
- SAGE
- SARSAPARILLA
- SENNA LEAVES & PODS
- STRAMONIUM
- STROPHANTHUS SEED
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- VALERIAN
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BALSAM PERU OIL COD LIVER

for buyers at 14½c. per pound. Plenty available thereat.

Asafetida.—Opening of Mediterranian might mean resumption of shipments from Near East points. Also from India.

Benzoin. — Seasonal requirements build fair volume of spot trade from small spot stocks.

Camphor.—Steady to very firm under excellent demand for synthetic material. Limited lots of Jap natural item find few takers owing to high price compared with domestic synthetic U.S.P. gum.

Euphorbium. — Purely nominal on the spot. Most dealers cleared stocks some time back. None known to have replaced lately.

Gamboge.—Some lack supplies. None have very much. Strong price position maintained.

Karaya.—Reserves gain as goods get through from primary market.

Kino.—Wiped clear of spot for long time. No replacements known to be on the way.

Olibanum.—The Near East situation eventually may bring resumption of imports along substantial lines.

Herbs and Leaves

Belladonna.—Firm and well stabilized on the surface. Believed buyers with firm orders could place business for less than quoted prices.

Buchu. — Basically on the strong side with replacement uncertain in the extreme.

Coltsfoot.—Better call for slightly larger quantities. Improvement seasonal.

Deer Tongue.—In very fair reserve. Most buyers hold sufficient reserve stocks.

Digitalis.—Stability is maintained. However, government interest in item may ultimately result in some official action on values.

Horehound.—Plentiful stocks offered cheaper at 11c. to 14c. per pound, ranging as to quality and seller.

Laurel.—Free from price activity. No broad trading interest. At least four different items available on spot.

Marjoram.—Chilean shaded to 44c. to 45c. per pound, spot, and to 43c. to 44c. for goods in transit.

Sage.—Spanish down to 29c. to 30c. per pound. Cyprus off to 31c. to 32c. California item holds steady.

Stramonium. — More competitive. business taken at 23c. per pound. Holdings sufficient for substantial expansion in demand.

Miscellaneous

Agaric.—Unobtainable recently, replacements reached here from Russia. Spot goods offered in small way at $3.75 per pound.

Balm of Gilead.—Stocks in excellent volume. Current market rather dull, all points. Some talk of possible price shading.

Cassia Fistula.—Firm because of limited opportunities for replacing in volume. Fair request.

Colocynth Pulp. — Most quarters hold fair but hardly large reserves. Current activity along jobbing lines most of the time.

Ergot.—Spot lower at $1.35 to $1.75 per pound. Market reported very dull. Definite tendency to shade on development of more attractive business. Consignment agents quote under regular botanical dealers.

Irish Moss.—Fair absorption domestic moss holds quotations free from fluctuation.

Kola Nuts.—All real needs of normal variety supplies steadily.

Lycopodium.—Very little doing on spot at moment. Sufficient goods available.

Nux Vomica.—Very firm prices reflect difficulties connected with goods from India actually reaching here.

Papain.—Local sellers maintain firm position around $4 per pound for powder. Might shade slightly. California still has goods at $3.65.

Roots

Althea.—Practically nominal. Replacement out of the question.

Arrow.—Powder packed in barrels higher at 10c. to 10½c. per pound.

Belladonna.—Practically no demand for root available at $1.30 to $1.35 per pound. Reserves plentiful.

Blood.—Steady, spot and country.

CRUDE DRUGS

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Squill—If Your Lungs Squeek!

"Squill Is One of the Most Certain Expectorants in Asthmatical Cases and Where the Lungs Are Oppressed by Phlegm."

—Culpeper

THE ASTROLOGER-PHYSICIAN
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SQUILL — To Promote Urine — As an Emetic — In Dropsy

Is an Expectorant and Diuretic Valued Highly By American Medicine Today

Demand about tepid, consisting mainly of small, jobbing orders.

Colombo.—Consignment stocks still in sight. Movement very slow. Prices easy but unchanged.

Cube.—Situation regarding sales and controls subject of numerous conferences between main suppliers, this item.

Derris.—Position identical with that prevailing in cube.

Dandelion.—Current call mainly on hand-to-mouth basis. Quality far from normal. Fair spot supplies.

Echinacea.—Fair volume results from numerous jobbing orders. Values show substantial strength locally.

Elecampane. — Routine activity mainly of jobbing sort. Undertones hold steady quality in absence of much competition.

Galangal.—Wonder when the next shipment from China will arrive. Not much left on spot now.

Golden Seal.—Not a trace of further advance though some talk about a stronger market. Headquarters says trade remains slow.

Ipecac. — Strong and comparatively scarce with replacements a real problem due to shipping situation in primary markets.

Licorice. — Indian root cheaper at 10c. to 11c. per pound.

Lovage.—Domestic root gets brunt of a not too ample demand for spot goods. European item disappeared long time back.

Mandrake.—Steady. Leading manufacturing consumers not trading actively. Hold fair sized warehoused supplies.

Rhubarb.—Could be that eventually this item may disappear unless temporary substitute for China as raw material market be developed.

Sarsaparilla.—Reported slightly firm in Mexico where movement is hampered by railroad situation.

Senega.—Inactivity depresses prices to basis of 59c. to 60c. per pound. Competition more to the front than df late.

Squill.—Stocks in very good shape and demand remains a laggard. Prices comparatively easy, most directions.

Seeds

Anise. — Easier and, in some instances, lower. Cyprus, 34c. to 35c. per pound. Ecuador, 33c. to 34c. Mexican, 30c. to 31c. Syrian, 29½c. to 30c.

Canary. — Argentine seed a shade lower on basis of 8¾c. to 9c. per pound. Demand slow.

Caraway.—Dewhiskered Syrian item drops lower to 50c. to 51c. per pound.

Cardamom. — Quiet but reasonably steady with full maintenance of prices.

Celery.—Indian seed weak and lower at 27½c. to 28c. per pound. Could be shaded with order in hand.

Coriander.—Morocco seed off under competition to basis of 11c. to 11½c. per pound.

Cumin.—All varieties cheaper. Morocco, 16½c. to 17c. per pound; Cyprus, 16½c. to 17c.; Persian, 14c. to 14½c.; Indian, 13¼c. to 13¾c.

Fennel. — Holding steady. Activity mainly in small quantities.

Gold of Pleasure.—Feed men taking item more liberally. Firmer market.

Flea.—Fair business in Indian seed. Prices in India higher than spot in some instances.

Mustard. — Domestic yellow seed moving fairly well. Country prices show somewhat firmer position. All prices steady.

Poppy.—Indian seed down to 9¼c. tot 9¾c. per pound.

Sabadilla.—Moderate quantities of powder at 35c. to 36c. per pound.

Sesame.—Indian natural higher at 9c. to 9½c. per pound, as further import is banned by Federal government. Hulled and sterilized seed, 12c. to 12½c. Chinese hulled seed shaded to 12½c. to 13c. to bring it into line with the Indian.

Spices

Allspice. — Mexican fractionally higher at 22½c. to 23c. per pound.

Cassia.—Completely firm because of replacement situation and moderate spot stocks.

Cinnamon. — British government takes complete charge of existing stocks in Ceylon. Will control sale and distribution similarly to the Jamaican control of pimento. No one wnows whether sale and distribution of controlled stocks will be through regular channels.

Clove.—Shaded to 18c. to 18½c. per pound with possibly a fraction less being possible with important business firm in hand.

Ginger.—Firm to strong position in all varieties. Demands being well cared for locally.

Nutmeg.—West Indian megs at 38c. to 39c. per pound represent price concession.

Paprika.—Extra fancy Portuguese down to 38c. to 38½c. per pound. Good quality, 37½c. to 38c. Extra fancy Spanish, 52c. to 53c.

Pepper.—Under OPA rulings, 15-ton lots of black Lampong bring 6.70c. per pound, and 50 to 100 bags, 6.95c. to 7c. Red peppers very steady.

Trading in black pepper futures on the New York Produce Exchange from November 30 to December 4, inclusive, comprised nil contracts. Following is a price record for the week:—

	Cents per pound— High.	Low.	Close.
March	....	....	6.63 bid
May	....	....	6.63 bid

Pimento.—Fractionally higher spot at 29c. to 29½c. per pound.

72d—OPD—Year

Glidden Seed Project Stopped by WPB

—Continued from page 7

transactions in critical industrial machinery to "approved orders."

By the terms of the penalty order, the Glidden Company is prohibited, during the coming year, from completing work on the two buildings illegally started. In addition, the company is ordered to make no use of any of the delinting machinery which it had acquired for installation in the building, except as may be specifically authorized by the Director General for Operations.

72d—OPD—Year

Guatemala Cinchona Sales Under Control

—Continued from page 3

States and what has come out of the country has been shown to be of very low quality—the total alkaloid content measuring only about 5 percent.

Government control over the purchase and export of the bark was undertaken, it is understood, in order to assure orderly distribution of the product and to prevent unwarranted exploitation and restructive practices being engaged in simply because there is now a market available for every ounce of the bark that can be gathered.

DSC Setup Unchanged

The arrangement, however, is not intended to interfere in any way with the efforts of the Defense Supplies Corporation to build up a stockpile of South American quinine. The corporation has contracts with Merck & Co., New York Quinine & Chemical Works, American Quinine Company, S. B. Penick & Co., and Abbott Laboratories, who act as its agent for purchases in Guatemala.

One of the reasons for the delay in more of the bark being shipped to the United States, it is said, is the problem of labor supply. In the Fall most of the labor is engaged in the gathering of coffee, and when this crop is harvested then the workers move on to the stripping of the bark from the cinchona trees.

Facilities for handling the bark after it has been gathered also are said to be unsatisfactory. The bark has to be dried and this is being carried on largely in open areas with the result that every time it rains workers have to rush out and gather it up and put it back out again after the weather has cleared.

The best prospect of obtaining any sizeable quantities of high-grade bark are understood to be on the Porvino Plantation. This is an area that was controlled by the Dutch at one time and has since come under the control of the Alien Property Custodian under recent orders vesting the properties of enemy aliens.

72d—OPD—Year

A.D.M.A. Sponsors War Bonds Program

—Continued from page 7

War bonds campaigns in the individual plants with the goal 10 percent of payroll and at least 90 percent of employee participation. Anticipating the association's formal announcement, some members have already initiated war bonds drives in their plants with most encouraging results. The objective of 10 percent of payroll has been achieved in certain plants and in one instance recently recorded has exceeded 10 percent.

The special committee has been set up "for the duration" and its mechanism made sufficiently flexible to be readily adaptable to new or revised war bond plans of the Treasury Department. The association as an organization has purchased a $10,000 bond. John G. Searle, president of G. D. Searle & Co., Chicago, Illinois, is president of the association.

72d—OPD—Year

Russian War Relief Dinner Set for Dec. 10

John A. Brown, president of Socony Vacuum Oil Company, will serve on a committee in charge of arranging an "Industries Dinner" for Russian War Relief, it was announced today by Lewis H. Brown, president of Johns-Manville Corp., and general chairman of the relief agency's Industries Division. The dinner will be held at 6:30 p.m., December 10, in the Waldorf-Astoria hotel, this city.

GUM ARABIC
GUM KARAYA
(INDIAN GUM)
GUM GHATTI
GUM SHIRAZ
GUM EGYPTIAN
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Metal Salt Medicinals Essentialness Checked

—*Continued from page* 5

with him if they feel any revisions in the recommendations should be made.

The metallic compounds listed are divided into groups I and II, group I consisting of arsenic and bismuth compounds, and group II of aluminum, antimony, copper, and magnesium metal and compounds. Following the name of each compound in group I is its essentiality rating on the following basis: (1) essential to civilian practice of medicine to the extent of being practically indispensable; (2) not indispensable but highly desirable if available; and (3) not essential to civilian practice of medicine.

Here are the listings:—

Arsenic Compounds

Acetarsone (1), acetylarsan (3), ammonium arsenate (3), arsenic bromide (3), arsenic-tri-iodide (NF) (3), arsenic trioxide (USP) (1), arphenamine (USP) (1), bismuth sulpharsphenamine (1), carbasone acid (USP) (1), iron cacodylate (3), mapharsen (1), neoarphenamine (USP) (1), sodium arsanilate (3), sodium arsenate, exsiccated (NF) (3), sodium cacodylate (USP) (3), sodium methylarsonate (3), solarson (3), solution of arsenous acid (USP) (2), solution of arsenic and mercuric iodides (NF) (3), solution of potassium arsenite (USP) (2), solution of sodium arsenate (NF) (3), strychnine arsenate (3), strychnine arsenite (3), sulphoarsphenamine (USP) (2), quinine arsenate (3), quinine arsenite (3), silver arsphenamine (3), tryparsmide (USP) (1).

Bismuth Compounds

Betanaphthol (3), citrate (3), glycerite (NF) (3), lactate (3), magma (NF) (3), nitrate (3), oxide anhydride (3), oxychloride (3), bismuth-potassium tartrate (USP) (1), phosphate (3), salicylate (3), bismuth-sodium iodide (3), subcarbonate (USP) (1), subiodide (3), subnitrate (USP) (1); as substitute for bismuth subcarbonate, subsalicylate (USP) (1), sulphocarbolate (3), tannate (3), tribromophenate (3), trichloride (3), trioxide (3), bismuth-ammonium citrates (3), oxyiodide (3), quinine-bismuth iodide (3), subisminol (1), bisubgallate (3).

Group II metals and compounds marked 1-a have been stated by the National Research Council to be essential to the maintenance of civilian health; those marked 1-b are considered important as intermediates in the manufacture of medicinals. All other compounds of aluminum, antimony, copper, and magnesium are considered nonessential.

Aluminum Compounds

Acetate (1-a), chlorate (1-b), hydroxide (1-a), nitrate (1-b) (important starting point and catalyst), sulphate (1-b), potash alum (1-a), ammonia alum (1-a), chloride (1-b).

Antimony Compounds

Antimony-potassium tartrate (1-a), antimony-sodium thioglycolate (1-a), fuadin (1-a), neostam (1-a), antimony thioglycolamide (1-a).

Copper Compounds

Cupric sulphate (1-a), copper powder (1-a).

Magnesium Compounds

Carbonate (1-a), chloride (1-b), citrate (1-a), hydroxide (1-a), oxide (1-a), peroxide (1-b), phosphate, dibasic (1-b), phosphate, tribasic (1-a), stearate (1-b), sulphate (1-a), trisilicate (1-a), turnings (1-b).

Materials Chief

John S. Cooke has been promoted to the rank of Colonel. He is now chief of the Materials Section of the Production Division of the headquarters, Services of Supply. He has the responsibility of putting CMP into effect in all of the Supply Services of the Army. Col. Cooke was formerly with W. S. Gray & Co., this city.

Opium Poppies Bill Sent to President

—*Continued from page* 3

interest in the producers of poppies which would set up a claim compelling the secretary to issue licenses; (2) to make certain that the Federal government does not enter into production of poppies unless it becomes necessary to supply needs; and (3) to take from the department the right to subject growers to imprisonment and heavy penalties for violation of a regulation issued under the act.

The legislation is deemed a war measure designed to build up in this country the industry of growing opium poppies, since the war has so diminished imports of vital drugs obtainable from the plant and the seed-pod juice. One of the purposes of licensing the production of the poppy will be to make certain that the growers harvest the straw or stalk of the plant and not just the juice, since the stalk is a source of morphine needed in large quantities in the war.

72d—OPD—Year

Totaquine Price Ceiling Set

—*Continued from page* 3

cause of the cinchona bark and quinine shortage brought about by Japanese conquest of the Netherlands Indies.

The use of totaquine, with attendant encouragement for the growing and collecting of cinchona bark in Latin-America, OPA said, will extend the existing and future supply of cinchona bark by employing for malaria in addition to quinine these by-alkaloids of cinchona: cinchonidine, cinchonine, and quinidine.

The maximum retail prices will enable consumers to obtain the product at approximately half the cost of quinine.

Prices of 5-grain capsules are ceiled at $7.50 to wholesalers, $9 to retailers, and $15 by retailers in quantities of $1,000 or more; 3-grain capsules are ceiled at $5.50 to wholesalers, $6.60 to retailers, and at $11 by retailers; 5-grain tablets are set at $6.25 to wholesalers, $7.50 to retailers, and at $12.50 by retailers; and 3-grain tablets ceilings are $4.50, $5.40, and $9, respectively.

The order states that the ceiling prices are not to apply to totaquine compounded or dispensed by a registered pharmacists on a prescription or to totaquine administered by physicians or other authorized practitioners to their bona fide patients.

Export prices are to be governed by the revised maximum export price regulation.

72d—OPD—Year

Buy War Bonds

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OIL OF
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Buyers agree that Exchange Oil of Orange U.S.P. is the finest orange flavor they can put in their products. And even more they appreciate that they can depend on it to give the true orange flavor and aroma, year in and year out.
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Essential Oils, Aromatic Chemicals

Plane Transport from Source Raises Cost Puerto Rico Bay—Large Stock Weakens Brazilian Orange—Wormseed Shaded —Sandalwood Up—Dill Down

Considerable price activity brightened the market for essential oils last week even as lack of more than moderate consumer activity gave a dull hue to current demand. Price changes were almost evenly balanced between ups against downs.

Considerable strength developed in Puerto Rico bay oil which has been reaching here subject to the high transport charges involved in airplane transport in the absence of steamer service. Minimum prices were moderately higher but some quarters advanced values severely. The scarcity of rectified cananga reasserted itself and the prices were higher when lower quoted material went to consumers.

Hemlock and spruce were in debatable position since there was some question regarding the botanical origin of some of the lower priced oil available last week. Dill seed and weed oils were cheaper, with demand next to nothing pending arrival of another consuming season. Bourbon geranium was down but so short were supplies of both Algerian and Bourbon oils that at the best the market was virtually nominal. Imported pennyroyal was more competitive at a decline but the domestic article sold higher under better call.

A mixed situation came in spearmint. A very low spot price was said to be identical with some recent transactions in the primary market which had not been lower than current price there for many months. Lack of spot demand for wormseed brought some shading of prices here but not in the country. Orange was oversupplied and a reduction in quotations on Brazilian material was testimony to existing sharp competition.

Essential Oils

Almond.—Stocks of bitter essential oil of almond reported exhausted. Sweet oil slightly more competitive but open quoted do not go under $1.75. Range to $2 per pound noted.

Angelica.—Some readjustment of prices noted. Root oil held at $140 per pound, lower. Seed oil at $140, some sellers. Minimum $120 still noted.

Anise.—Reported oil available at lowest price of $2.75 is off normal quality standard. Quality merchandise ranges $2.90 to $3.25 per pound with hardly two dealers quoting identical prices.

Apricot.—Leading spot supplier makes market lowest at 40c. per pound. Others continue to quote 45c. to 55c. per pound. Much depends on quality which ranges broadly.

Bay.—Cost to transport from Puerto Rico rises. Air transport used. Market 15c. higher at $1.80 to $1.90 per pound and some lack supplies. West Indian ranging $1.55 to $1.85, according to seller.

Birch Tar.—Check fails to find any firm offerings of spot goods.

Bois de Rose.—Quiet on its recently easier and lower price basis.

Cajeput.—No further price decline but a quiet market makes for conditions more favorable for buyers. The strengthening factor is the absence of any real distribution of stocks on spot.

Calamus.—Spot market remains cleared of all supplies.

Cananga.—Native oil minimum at $15 per pound. Rectified material lowest at $17.50 as former $16 oil moves into consumption. Stocks small.

Caraway.—Reduced to basis of $15.50 per pound. Three houses ask minimum of $17.50. The available supply remains very small.

Cassia.—Since no replacements have reached here from China for many, many months, most of the stock held in this country is owned by manufacturing consumers. Dealers' prices are almost nominal. Quality said to vary.

Cedarleaf.—Less competition. Generally steadier price position. Demand gains some.

Cedarwood.—Unchanged but disposed to remain in more competitive position.

Cinnamon.—Leaf oil very scarce on spot. Most houses cleared stocks some time back. Small parcel still available at $2.25 per pound.

Citronella.—Price of Ceylon continued to ease. Now minimum at $1.10 per pound but only one seller thereat. Minimum in most directions is $1.25.

Clove.—Subject to fair activity but lacking in further price easement.

Coriander.—Supply on fair basis but uniformity totally lacking on spot. A sale alleged to have been made around $22 per pound not confirmed.

Croton.—Stocks have almost disappeared. One lot at $3.10, if sold, would probably clear the spot of all supplies.

Dill.—Much lower. Seed oil available at $6 to $6.75 per pound. Weed oil, $5.85 to $6.25. Market normally dull creates more competitive position.

Erigeron.—Not a great deal of spot oil, but market remains quiet and reasonably easy under lack of request.

Eucalyptus.—Consumption running along normal lines. Import cost maintained in Australia and shipping remains tough problem for those seeking to replace.

Geranium.—To a very substantial extent the market is nominal. Algerian ranges $16.50 to $18 per pound and Bourbon is lower at $18 to $24 as to seller. Actually, there is very little oil to be had at any price.

Ginger.—The market turns firmer as raw material tightens. Minimum at $20.50 per pound with as high as $22 and $24 being reported done by some dealers.

Grapefruit.—Very firm as stocks from primary market fail to increase.

Hemlock.—Spot at 95c. per pound can be done in one quarter, but others refuse to go under $1.30 or $1.40 per pound. Seems to be some question regarding botanical origin of some oil on spot.

Juniper.—Not much oil afloat on

Price Changes

Advanced

Bay, Puerto Rico, 15c. per lb.
Cananga, rectified, $1.50 per lb.
Ginger, $1.50 per lb.
Pennyroyal, domestic, 10c. per lb.
Sandalwood, 25c. per lb.
Wintergreen, Northern, 50c. per lb.

Reduced

Apricot kernel, 5c. per lb.
Caraway, $1 per lb.
Caraway, $1 per lb.
Dill, seed oil, $2 per lb.
weed oil, 15c. per lb.
Hemlock, 20c. per lb.
Geranium, Bourbon, $2 per lb.
Orange, Brazilian, 20c. per lb.
Pennyroyal, imported, 50c. per lb.
Spearmint, 25c. per lb.
Wormseed, 10c. per lb.

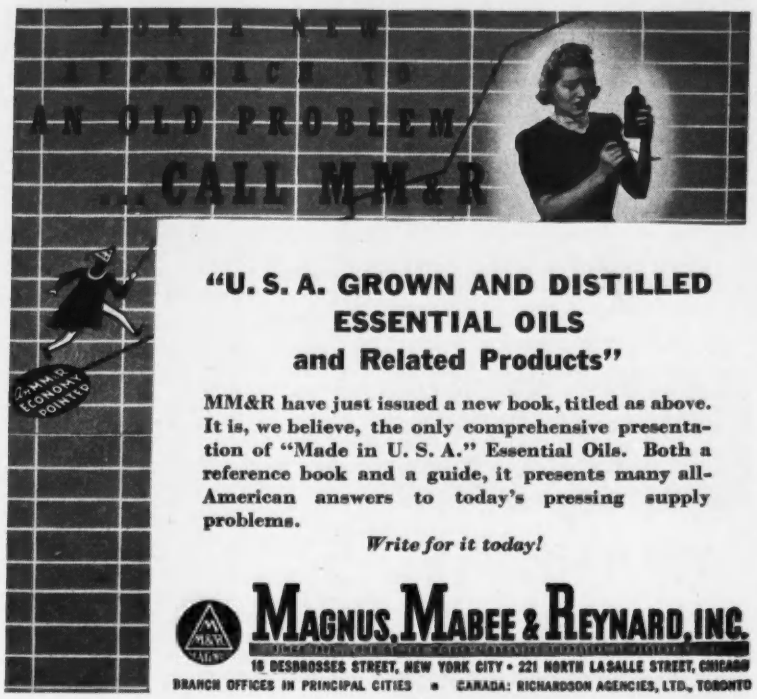
Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
278.0	278.3	279.1	265.4

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 9



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spot market. Oil in hand showed high cost from domestic sources. Very little call now.

Lavandin.—Trifling supplies appear and disappear. In main, not enough oil available to constitute a real market.

Lavender.—Spike oil moving well at full values. Very little flower oil on hand. No trouble in getting full prices for anything available.

Lemon.—No unusual demand at moment, but market holds firm on basis of absence of more than fair supplies of domestic material.

Lemongrass.—Price range is very wide. From $1.45 to high as $2.75 per pound according to seller. Fair average as to dealer would be $1.75 to $1.85.

Lime.—Variation in prices very wide. Quality of Mexican oil questioned broadly. Leading suppliers advise purchase only after test of samples.

Lignaloe.—Mexican oil not overly plentiful. Keeps competition aloof from spot. Not much call.

Mace.—Permittable ceilings of producers tend to end production of this article. Similar situation in Nutmeg Oil, too.

Mustard.—Production of artificial item meeting national needs well. Undertones quiet but steady, with prices holding.

Orange.—Brazilian oil drops to minimum of $1.45 per pound under competition and oversupply. Entire market unsettled as stocks hold high and consumption remains moderate.

Origanum.—Most sellers lack holdings of top quality Spanish material.

Palmarosa.—Very firm at recent advance and not too well stocked in local circles. Demand moderate.

Pennyroyal.—American oil revalued upward to minimum of $3 per pound. High as $3.10 asked. Stocks moderate. Imported goods lower at $2.50 to $2.90 with some dealers reporting all stocks cleared.

Peppermint.—Price differential between natural and redistilled oil remains at 35c. per pound. Many prominent houses maintain 50c. spread. Market firm but lacking more than jobbing activity out of spot stocks.

Petitgrain.—Position unchanged though tendency is noted to make $1.80 per pound minimum and upwards of $1.95 is considered lowest in some quarters.

Rosemary.—Market considered to be generally quiet but the best of Spanish oils retain steady to firm price position.

Sandalwood.—Domestic distilled oil minimum at $6 per pound. Genuine Mysore oil around $7. Movement fair.

Sassafras.—Market on artificial oil steady at $2 to $2.25 per pound without any well distributed supply being in existence. Natural oil lowest $2 in one quarter while others make either $2.25 or $2.40 per pound lowest.

Spearmint.—Spot oil available one direction at $3.05 per pound. Upwards of $3.25 quoted. One spot quotation reported identical with primary market values. Situation would appear to be rather mixed.

Spruce.—Minimum at 95c. per pound with some quoting $1.30 and $1.40 as lowest with them.

Sweet Birch.—Steady to firm but moving mainly in small lots.

Tansy.—One lot of Java oil reported on market low as $30 per pound. Others continue to maintain values in line with inability to replace.

Wintergreen.—Northern oil somewhat higher over the range $5.50 to $7 per pound as to seller and quality of oil offered. No change in southern.

Wormseed.—Reduced to minimum of $2.75 per pound as call lags materially.

Aromatic Chemicals

Acetaldehyde.—Solution of 50 percent in alcohol selling well. Firm.

Amyl Acetate.—Perfumers' article steady considering quiet demand current now.

Amyl Salicylate.—Showing strength in line with difficulties afflicting all salicylates.

Anethol.—Slightly easier in undertone. Some gain in competition.

Anisic Aldehyde.—Stocks conservative. Demand moderate to light.

Benzaldehyde.—Demand less pressing. Production still repressed by raw material supplies kept available for this production.

Benzyl Compounds.—Entire group remains subject to supply based on conservative deliveries of raw material. Market takes all current output.

Carvol.—Has sold repeatedly around $26 per pound and lightly stocked.

Cinnamic Alcohol.—No tendency to shade values on this item. Reserves extremely light.

Coumarin.—Selling well up to normal volume, considering production difficulties of which raw material supplies plays no small part.

Diphenyl Oxide.—Call very steady but shows no expansion.

Ethyl Acetate.—Business conservative. Mainly for current needs.

Ethyl Cinnamate.—Steady to firm with demand on conservative side.

Ethyl Formate.—No shading current prices despite quiet trade.

Ethyl Salicylate.—Production subject to numerous raw material difficulties. Output on fair sized basis.

Ethyl Vanillin.—Consumption excellent and thoroughly maintained at recent high volume.

Eugenol.—Slightly easier with raw material but lacking quotable change.

Hydroxycitronellal.—Apparently on firm side with some sellers still behind in deliveries because of raw material troubles.

Methyl Anthranilate.—Firm but subject to routine request only.

Methyl Salicylate.—Very firm. Production subject to raw material difficulties. Output believed up to pressing requirements of buyers.

72d—OPD—Year

Reunion Supplies Geranium, Vetiver, Ylang-Ylang

Close on the heels of French North African capitulation comes the report of Allied occupation of Reunion Island. The last remaining of the African essential oil producing regions to fall into allied hands, Reunion supplies geranium, vetiver, ylang ylang and vanilla beans.

Commenting upon this added available source of raw materials, Dr. Ernest Guenther, who visited the island several years ago, pointed out that Reunion's production, especially of vetiver and ylang ylang, was of an exceptionally fine grade. Now, with Algeria, Madagascar, the Comoras and finally Reunion dominated by the Allies, the major sources of geranium and ylang ylang are under their control. As for vetiver, Java is as yet the only producing center not under friendly-nation influence.

Made Master Sergeant

Bob Senior, son of the late Charles Senior, and a former member of the Florasynth Laboratories, this city, has been serving with the United States Army and has just returned from convoy duty on shipping to Southern continents. He originally enlisted in the 7th Regiment, New York. After one month aboard ship, he was made gun captain. He subsequently received his warrant as master sergeant. He was with the sales department of Florasynth before enlisting.

72d—OPD—Year

Squibb Adds Two Directors

Squibb & Co., pharmaceutical manufacturer, Brooklyn, has enlarged its board of directors by the addition of George H. Sibley and Clarence M. VanKirk. Mr. Sibley has served as general attorney for the company and its domestic subsidiaries since 1937, and Mr. VanKirk, recently elected a vice-president in charge of distribution, has been in the employ of the company since July, 1926.

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Javonella
PERFECT FOR PERFUMING
• LAUNDRY SOAPS • WASHING POWDERS • LIQUID CLEANSERS • POLISHES, ETC.

EVEN when oil of citronella was low in price and easy to obtain, JAVONELLA was a reliable favorite. A great many manufacturers preferred its finer, cleaner odor, its uniform quality and consistent economy. And now that Citronella is high in price and difficult to get, JAVONELLA is more important than ever before.

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Established 1922

Tributes to the Memory of Harry J. Schnell

—*Continued from page* 38

and I know you in OIL, PAINT AND DRUG REPORTER will miss him very much. I have no doubt, however, that the organization will carry on and do justice to the faith which Mr. Schnell had in the future of our industry. —RALPH CLARK.

He was for many years an outstanding figure in drug trade activities and will surely be missed.—TURNER F. CURRENS.

I know how his loss will be felt, particularly by wholesale druggists, all over the United States.—ROBLIN H. DAVIS.

Low lies his pen; his pen run dry,
A clear, clean "30" at the end.
No blotted script, no type awry
For us, who loved and called him Friend.
—LEROI DE CAISSE.

I had the privilege of knowing Mr. Schnell for a good many years and looked on him as an old friend, and we all, as well as the entire industry, will greatly miss him.—R. H. DE GREEFF.

For many years I have admired his rectitude, his interest in and support of what was good for the industry, and his gentle and considerate attitude toward others. — H. D. FAXON.

I feel that we have all lost a valued friend of long standing, whose personality and influence in trade journal fields and in the paint industry itself will be sadly missed.—IVAN D. HAGAR.

When I first started attending the meetings of the National Wholesale Druggists Association, Mr. Harry Schnell was one of those to whom I looked for friendship, counsel, and good advice. My father was always very proud of his happy relationship with his good friend Harry Schnell, and I can assure you that the Hutchins family has appreciated for many years the contributions which Mr. Schnell has made, particularly as they related to the progress of the wholesale drug trade. We have all lost a good friend and a man whose broad vision has been a source of strength to us all.—LEE WILSON HUTCHINS.

His passing will be a real loss to the industry which he served so well through his publications for so many years.—DWIGHT P. JOYCE.

He was indeed a gentleman of the old school and he will be missed much by the painters of America. I feel that we all have lost a genuine friend.—J. FRANK JONES

Mr. Schnell over many years performed a wonderful service to our industry, and his helping hand will be missed by many people in our particular trade.—IVOR KENWAY.

I am sure that all those close to him feel his life of outstanding accomplishment and service is a worthy pattern to emulate.—JAMES J. KERRIGAN.

Harry Schnell will be missed—sadly missed—but, I am sure, long remembered in the drug and chemical trade whose interests were always his interests. Well may it be said that he was a man of rugged honesty and eminently loyal friendship.—EDWARD V. KILLEEN.

He has always been a constructive power in the trade, and I am sure we will all miss, not only his activities, but his friendly companionship.—C. MAHLON KLINE.

We know he will be missed by all his colleagues, as well as members in the entire trade.—B. L. LEMKE.

Few connected directly or indirectly with our industry carried the admiration and respect as did Harry, who, with the late George Heckel, did such noble pioneering through the valued avenues at their command to help build the industry which we serve.—GEORGE A. MARTIN.

The influence of his life has been made manifest through wise counsel, breadth of vision, courage, and real leadership in varied activities relating to the public welfare, and he endeared himself to all by the good fellowship that he always displayed—JAMES P. MCGOVERN.

He was a loyal champion of the drug industry, whose best interests he served with zeal and intelligence. Drugdom has lost a friend whose influence for good was widespread and effective.—CARL F. G. MEYER.

In Harry's passing we feel keenly the loss of a dear friend and a great leader of the industry.—BARRET MOXLEY.

In our many years of association I found him a sincere friend and an untiring worker for the interest of the drug industry.—J. M. PENLAND.

To me the following quotation best portrays the life he led:—"I shall pass through this world but once. Any good, therefore, that I can do or any kindness I can show to any human being, let me do it now. Let me not defer or neglect it, for I shall not pass this way again."—EDWARD ZINK.

The industry is losing a real friend.—W. M. ZINTL.

Harry J. Schnell, Editor of the Reporter, Died November 29

—*Continued from page* 3

ordering of the sale of the publications, Mr. Schnell formed the Schnell Publishing Company and purchased OIL, PAINT AND DRUG REPORTER and *National Painters Magazine*, *The Druggists Circular* being separately disposed of. Editorial and business management of the two publications were continued by Mr. Schnell up to the time of his death.

Mr. Schnell's acquaintance throughout the industries and trades served by his publications was worldwide, and it was most intimate in respect of both persons and affairs. He held membership in the National Paint, Varnish and Lacquer Association and its predecessors and in the National Wholesale Druggists Association. In both of these organizations he was active for years as a committee chairman in various services. He was a member of the American Society for Testing Materials, the American Petroleum Institute, the American Pharmaceutical Association, the Synthetic Organic Chemical Manufacturers Association, and the Agricultural Insecticide and Fungicide Association, of which he was the first treasurer. He had honorary membership in the Interstate Cottonseed Crushers Association and other national trade organizations. His major local trade organization activity was in the Drug and Chemical Club, in which he served as chairman of the house and finance committees, as vice-president, and as president in 1927-28. He was active also in the Paint, Oil and Varnish Club of New York, of which also he was president, and the Drug, Chemical and Allied Trades Section of the New York Board of Trade.

Mr. Schnell's interest in public affairs was almost equal to that in the world of business. He served long as a trustee of the Village of South Orange, N. J., where he resided from 1910 until the time of his death. There he served also for a long time as chairman of the campaign committee of the Citizens Party League and was president of that organization for three years, also president of the local Republican club. And he served two terms as president of the Village of South Orange. He was also president and trustee of the South Orange Public Library, a director of the Village Building and Loan Association and the South Orange Trust Company. He was a governor of the Orange Memorial Hospital and chairman of its insurance committee; also he was a trustee of the New Jersey College of Pharmacy, Rutgers University, and the university awarded him an honorary degree of Doctor of Pharmacy in 1938.

Mr. Schnell was a Mason, a member of the Consistory of New York and of the Nobles of the Mystic Shrine, and chairman of the Masonic finance committee in South Orange. He also belonged to the Elks and the Royal Arcanum, and he was active in fraternal charities and others, having been chairman of the chemical division in the drive for funds for the completion of the Cathedral of St. John the Divine and directed various campaigns for the Welfare Federation, Jewish Welfare, the Knights of Columbus, and other organizations. As a first lieutenant in the Officers Reserve Corps of the United States Army he directed Red Cross and Liberty Loan drives in World War I. His services to the armed forces also embraced liaisons with the chemical and drug industries and he in time became a major in the reserve corps.

As an executor and trustee of the estate of William O. Allison, Mr. Schnell was treasurer of the Allison Land Company, which managed the extensive realty holdings of the estate. With his cotrustee, Frank V. Baldwin, he constructed and maintained Allison Outlook Park and Allison Recreational Park on land bequeathed by Mr. Allison along the Palisades of the Hudson river. Two weeks before Mr. Schnell's death the two trustees completed the transfer of 19 acres of the Allison Palisades property as a gift to the Palisades Interstate Park Commission, to make possible the completion of Rockefeller boulevard along the top of the Palisades.

Although he preferred books and home companionship to more active recreation, Mr. Schnell did at times play golf and go fishing. He was a member of the Orange Lawn Tennis Club, the Essex County Country Club, and the Shongum Fishing Club. Primarily Mr. Schnell enjoyed his family. His wife, who was Sara Jane Bainbridge, died in 1912, leaving two young children, and his life's interest for years was centered in these, his son, Harry J. Schnell, jr., who is now a member of the directive personnel of a unit in the Chemical Division of the War Production Board, Washington, and his daughter, Jean, now Mrs. William Stuart Auchincloss, Short Hills, N. J. His mother lived with him for a long time prior to her death several years ago. In recent years, Mr. Schnell found particular pleasure in the company of his grandchildren.

Mr. Schnell was a member of the Protestant Episcopal Church. As a boy he sang in the choir. Later he was a vestryman and treasurer of the Church of the Holy Communion. South Orange. The services for the dead were conducted for him in that church Tuesday afternoon, December 1. Honorary pallbearers, chiefly his associates in the public life of South Orange, were E. Morgan Barradale, Walter C. Bennett, Erwin W. Berry, Robert H. Bradley, Howard R. Cruse, William S. Doyle, Dudley W. Figgis, Michael A. Fitzsimmons, Frederick E. Lober, Spencer Miller, jr., Hon. A. Harry Moore, William Orchard, and John R. Salisbury. Floral tributes from friends in many cities were piled high in the church. Friends in numbers, also from many cities, attended the services.

Interment, in the Rosedale Cemetery, West Orange, N. J., was private.

72d—OPD—Year

Obituaries

W. S. Farish

William Stamps Farish, president of the Standard Oil Company of New Jersey since 1937, died of a heart attack November 29 at Dietrich Farms, Millbrook, N. Y., which he owned with several friends as a recreation retreat. He was sixty-one years of age.

Born in Mayersville, Miss., Mr. Farish graduated from St. Thomas Hall in Holly Springs, Miss., in 1897 and had received his law degree from the University of Mississippi in 1901, the year in which the Spindletop, the first great gusher well in Texas was brought in. Mr. Farish instead of practicing law went to work in Spindletop as a laborer. He subsequently formed a partnership with R. L. Blaffer, who had followed the rush to Spindletop and taken a job as a railway clerk. They began to buy and sell leases in partnership and when the Spindletop boom faded, they moved on to other fields. In 1917, Mr. Farish and Mr. Blaffer pooled their interest with Ross Sterling, later governor of Texas, who had formed the Humble Oil Company with Walter and Frank Fondren, to form the successor company, the Humble Oil & Refining Company. Mr. Farish was named vice-president of the company.

Upon the entrance of the United States into World War I, Mr. Farish,

W. S. Farish

upon the suggestion of Walter Teagle, then president of the New Jersey Standard was suggested as spokesman for Texas producers on the National Petroleum War Service Committee, formed to assure an adequate supply of gasoline and bunker oil to the Allies. After World War I, the Standard Oil Company of New Jersey acquired a 50 percent interest in the Humble Oil & Refining Company.

In 1933, upon the insistence of Mr. Teagle, Mr. Farish came to New York as chairman of the board of the New Jersey Standard, and in 1937 Mr. Teagle resigned after twenty years as president, with Mr. Farish being named president and chief executive officer. Mr. Teagle was made chairman of the board, which post he held to his retirement several weeks ago, when he was succeeded by R. W. Gallagher.

Mr. Farish had been a member of the Petroleum Industry War Council, formed by the government to secure adequate supplies of petroleum in the present war. He served as president of the American Petroleum Institute in 1926, and as president of the Gulf Oil Producers Association in 1915 and as president of the Texas-Louisiana Oil and Gas Association in 1917.

—*Continued on page* 79

Industrial Applications of Chemicals and Related Materials

("Where You Can Sell")

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(Parenthical figures are the numbers of patents in the United States or other countries, as designated)

Ethyl-Sodium Oxalacetate

Chemical

Intermediate in making synthetic organic pharmaceutical chemicals

Starting point in making—
- Alphapyrone derivatives, with the aid of hydrochloric acid
- Dioxypyrrolidincarboxylic acids, with the aid of amines and aldehydes
- Ethyl acetoxyfumarate, with the aid of acetic anhydride
- Ethyl malonate (Brit. 228863)
- Ethyluracil 4-carboxylate with the aid of urea
- Synthetic organic chemicals, with the aid of acetic anhydride, ammonia, hydrochloric acid, primary amines, secondary amines
- Triethyl cyanoaconitate, with the aid of pyridin and ethyl cyanoacetate

---

Ethylorthobenzoyl Benzoate

Adhesives

Plasticizer in—
- Adhesive compositions containing nitrocellulose or resins

Ceramic

Plasticizer in—
- Compositions, containing nitrocellulose or resins, used as coatings for protecting and decorating ceramic products

Chemical

Plasticizer for—
- Nitrocellulose

Cosmetic

Plasticizer in—
- Nail enamels and lacquers containing nitrocellulose as base material

Electrical

Plasticizer in—
- Insulating compositions, containing nitrocellulose or resins, used for covering wire and in constructing electrical machinery and equipment

Glass

Plasticizer in—
- Compositions, containing nitrocellulose or resins, used as coatings for protecting and decorating glassware

Leather

Plasticizer in—
- Compositions, containing nitrocellulose or resins, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods

Metal Fabricating

Plasticizer in—
- Compositions, containing nitrocellulose or resins, used as coatings for protecting and decorating metallic articles

Miscellaneous

Plasticizer in—
- Compositions, containing nitrocellulose or resins, used as coatings for protecting and decorating articles of various sorts

Paint, Varnish, and Lacquer

Plasticizer in—
- Paints, varnishes, lacquers, enamels, and dopes containing nitrocellulose or resins

Paper

Plasticizer in—
- Compositions, containing nitrocellulose or resins, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp

Photographic

Plasticizer in making—
- Films from nitrocellulose

Plastics

Plasticizer in making—
- Laminated fiber products
- Molded products
- Plastics from nitrocellulose or resins

Resins

Plasticizer for—
- Resin-cellulose derivative compositions and solutions
- Resins of various types

Stone

Plasticizer in—
- Compositions, containing nitrocellulose or resins, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer in—
- Compositions, containing nitrocellulose or resins, used in the manufacture of coated fabrics

Wood

Plasticizer in—
- Compositions, containing nitrocellulose or resins, used as protective and decorative coatings on woodwork
- Plastic compositions, containing nitrocellulose or resins, used for many filling and repairing purposes on wood

---

1-Methylamino-4-betahydroxyethylaminoanthraquinone Monoester of Succinic Acid, Sodium Salt

Dye

Claimed (Brit. 506526) as—
- Blue dyestuff for acetate rayon giving bright, fast shades and being water-soluble

---

Silver Lactate

(Argenti Lactas, Lactate d'Argent, Lactico di Argentico, Lactico de Plata, Milchsauressilber)

Dental

Reported useful as—
- Surgical germicide

Reported useful for treating—
- Decayed pulp

Pharmaceutical

In compounding and dispensing practice

Reported useful as—
- Surgical germicide

Sodium-Cellulose Glycolate

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of column to the right)

Adhesives

Suggested as vegetable gum substitute in—
- Adhesive preparations

Paint, Varnish, and Lacquer

Suggested vegetable gum substitute in—
- Paints
- Varnishes
- Lacquers

Textile

Suggested as gum substitute in—
- Dressings
- Sizes
- Finishes

Sodium Sulphosuccinate Dihexylester

Adhesives

Wetting agent in various adhesive preparations

Chemical

Wetting agent having following properties—
- A practically pure chemical substance
- Decomposed by strong bases
- Extremely soluble in nonpolar organic solvents
- Moderately stable in acid solutions and in mild alkalides
- Physical state, waxy lumps
- Readily soluble in polar organic solvents
- Resistant to precipitation by hard waters
- Solubility in water at room temperature, 40.0 grams per 100 cc (pH 6.5 to 7.0)
- White color

Wetting agent in making—
- Emulsions of various chemicals
- Textile lubricants

Cosmetic

Wetting agent in—
- Creams, hand lotions, and the like

Disinfectant

Wetting agent in—
- Disinfecting compositions
- Germicidal compositions

Dry Cleaning

Wetting agent in—
- Dry-cleaning solutions

Dye

Wetting agent

Fats, Oils, and Waxes

Wetting agent in—
- Boring oils
- Cutting oils
- Drilling oils
- Greasing compositions
- Lubricating compositions
- Sulphonated oils
- Wire-drawing oils
- Wax preparations

Firefighting

Wetting agent in—
- Solutions for extinguishing brush fires

Ink

Wetting agent in—
- Lithographic inks
- Printing inks
- Writing inks

Insecticide and Fungicide

Wetting agent in—
- Fugicidal compositions
- Horticultural sprays
- Insecticidal compositions

Leather

Wetting agent in—
- Dressing compositions
- Fat-liquoring compositions
- Finishing compositions
- Soaking compositions
- Softening compositions
- Tanning compositions
- Waterproofing compositions

Metallurgical

Wetting agent in—
- Metalplating processes
- Metalcleaning baths
- Scouring agents for metals
- Solvent degreasing processes

Miscellaneous

Modifier of—
- Surface tension of liquids in various products and processes

Wetting agent in—
- Beer-glass coasters
- Cleansing compositions for windows, glassware, rugs, upholstery
- Embalming fluids
- Ink removers
- Polishing compositions for furniture, automobiles, metals, wood, glass, shoes, and other articles
- Soldering fluxes
- Various processes involving aqueous solutions, such as soaking, washing, impregnating, penetrating, wetting
- Wallpaper removers
- Waterproofing compositions
- Water sprays for dust settling

Softening agent for—
- Fibers

Paint, Varnish, and Lacquer

Wetting agent in—
- Lacquers
- Paints
- Varnishes
- Pigment manufacture

Paper

Wetting agent in—
- Beater operations
- Dye liquors
- Felt conditioning
- Felt-cleaning agents
- Sizing compositions
- Waterproofing compositions
- Waxing compositions

Petroleum

Wetting agent in—
- Acid treatment of oilwells
- Cutting oils
- Mineral oil compositions
- Pitch compositions
- Tar compositions

Pharmaceutical

Suggested as wetting agent in—
- Oral antiseptics

Photographic

Wetting agent in—
- Blueprint processes
- Photographic processes

Rubber

Wetting agent in—
- Cements

Soap

Wetting agent in—
- Detergent compositions
- Textile soaps

Textile

Bleaching

Wetting agent in—
- Bleaching baths

Dyeing

Wetting agent in—
- Dye baths

Finishing

Wetting agent in—
- Coating compositions
- Scouring compositions
- Sizing compositions
- Washing compositions
- Waterproofing compositions
- Waxing compositions

Manufacturing

Softening agent for—
- Fibers

Wetting agent in—
- Bowking baths
- Carbonizing baths
- Degreasing compositions
- Degumming and boiling-off baths
- Fulling baths
- Kier-boiling baths
- Mercerizing baths
- Oiling compositions
- Soaking baths
- Spinning compositions

Printing

Wetting agent in—
- Printing pastes

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(Also Tells Where You Can Sell)

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Petroleum Products

Rush to Stock Up on Butane and Propane Getting Under Way —Unrelieved Shortage of Shipping Facilities Still Retarding Movement of Petroleum Chemicals

With the consumption of gasoline cut virtually in half during the first few days of nationwide rationing, additional petroleum refineries in the Gulf and Pacific Coast areas have joined those on the Atlantic seaboard and in the Middle West in a notable further contraction of their output of gasoline as well as fuel oil, kerosene and lubricating oils and in a far greater expansion than has been recorded in many months of the country's production of high-solvency aromatics and other special usage naphthas, including numerous solvents and diluents and the light hydrocarbons for which, in the form of liquefied gases, there is an ever-growing clamor. This huge amplification of the combined refinery yield of these petroleum chemicals would have gone a long way toward satisfying the demand for them, if there had been sufficient transportation facilities to move them with reasonable dispatch into consuming centers. But tankcar accommodations have continued woefully inadequate, with tank trucks almost equally so, while shipping space on tankships has been virtually unobtainable. As a result, only about fifty to sixty percent of the requirements in these lines are being met.

In order to guard against Winter shortages of butane and propane, when consumption reaches its peak during December, January and February, chiefs of the liquefied petroleum gas and equipment units of the Armed Services and of the War Production Board are seeking to induce consumers to build up reserves in their storage capacities as speedily as possible, before transportation services are further slowed by storms, sleet and snow.

With the recent enlargement of the powers of Secretary Ickes and his expanded Petroleum Administration for War, whereby this cabinet officer has become supreme controller of the industry, hope for a raising of the existing price ceilings on crude petroleum has been revived in some quarters, although OPA will continue to be the arbiter of price fixing as well as rationing. Meanwhile many refiners are complaining that they cannot obtain as much crude oil as they need for making their products.

Some gratification is now being expressed by the companies distributing petroleum products in the Atlantic Coast States over the approaching complete liquidation of the debit balance shown in the operations of the East Coast petroleum transportation pool, whereby all participants shared equitably in the higher costs incident to the change from water-route conveyance to rail carriage before the federal subsidy was arranged to cover the losses thus sustained.

Solvents and Diluents

Aromatic Solvents.—Though the movement of these solvents continues restricted by lack of adequate shipping facilities, the demand is reaching larger proportions daily. While purchasing in the allocated group is confined to those obtaining WPB authorization, consumers unable to procure such sanction, because not directly connected with the filling of war orders, are nonetheless able to satisfy most, if not all, their needs with substitutes having average distillation points slightly higher than the 330 degrees kinds under allocation, or with aliphatics. Prices are being strongly held throughout the list.

Cleaners' Naphthas.—A keen buying interest continues to be manifested. More of these naphthas would be bought if shipping facilities were improved. Tone very firm.

Lacquer Diluent.—Continues in active request. Stocks being steadily lowered. Prices well maintained.

Mineral Spirit.—Movement expanding. Supplies only fair-sized. Tone strong.

Rubber Solvent.—A steadily expanding buying campaign seems to be getting under way as the rubber reclamation program is advanced. Stocks still adequate but being reduced constantly. Prices firmly held.

Stoddard Solvent.—In continually increasing call. While supplies in the East are ample, those in the Gulf Coast and Middle West areas are not moving to the Atlantic coast in sufficient volume to meet all requirements. Tone continues strong.

V. M. & P. Naphtha.—Paint trade continues to manifest a keen buying interest and is obtaining a moderate amount of the offerings, although the war industries are still absorbing large quantities. Volume of the buying movement would be much greater if transportation facilities were improved.

Price Changes

Advanced

Kerosene, 41-43 water-white, tanks, Jacksonville, Fla., ¼c. per gal.

Reduced

Gasoline, U.S. motor, 72-74 octane, Gulf Coast, tanks, ex tax, ¾c. per gal.

Lubricating oil, neutral, 150 and 200 viscosity, 0-25 pour, Western Pennsylvania, tanks, ¼c. per gal.

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Chicago—December 4

Aromatic Solvents.—Inquiry better, market strong.

Cleaners' Naphtha.—Good call, no price change.

Lacquer Diluent.—Buyers hot after more material, with unchanged prices.

Mineral Spirit.—Offerings limited, market stiff.

Rubber Solvent.—Fair interest, no price change.

Stoddard Solvent.—Call active, market holding.

V. M. & P. Naphtha.—Good demand, prices firm.

San Francisco—December 4

Perhaps the trade's biggest problem remains that of transportation. While supplies of the various grades of solvents and diluents, on the whole, are moving quite briskly, producers here are managing to keep apace in most instances, with transportation and container problems the big worry.

Aromatic Naphthas.—War demands continue but actually production is down owing to the restraint brought about by allocations.

Lacquer Diluent.—Rather heavy movement currently.

Rubber Solvent.—Use of this product in the rubber industry is down but the solvent is meeting with a good demand for other uses.

Stoddard Solvent.—Dry cleaning business continues to press its demands.

V. M. & P. Naphthas.—Consumption is well maintained currently.

Tulsa—December 4

There is notable activity these days in the market for solvents and diluents in this center. Both war and civilian demands are running far in excess of the supply and suppliers are hard put in numerous instances to furnish all the material needed, with the result that buyers, in some cases, are unable to satisfy their requirements. An extremely strong tone pervades the market.

V. M. & P. Naphtha.—Extensive buying interest is being manifested by the paint industry but great difficulty is still being experienced by exponents of this trade in obtaining shipping accommodations, inasmuch as most of the facilities available are being secured by war production contractors. Prices are being well maintained.

Lighter Fractions

Butane. — Demand continues extremely brisk under the stimulus of WPB's recommendation to stock up. Supplies in the East adequate but those in the Gulf and Middle West areas, while recently amplified, cannot be moved by rail in sufficient volume to meet all requirements. Tone extremely strong.

Heptane.—In good request. Stocks being reduced but are still adequate. Tone firm.

Hexanes. — Continue in moderate call. Supplies light. Prices firmly held.

Octanes. — In fair inquiry. Stocks rather modest in size. Tone steady.

Pentanes.—A light buying interest is manifested. Supplies small. Prices well maintained.

Propane.—Though suppliers in the East report sufficient output and current supply to meet the greatly increasing buying interest, prompted by WPB's urgings to stock up, those in the West and Gulf areas are unable to satisfy many would be buyers, because of the inadequacy of tankcars and other transportation facilities. Industrial and home use demands in the South, Southwest and Pacific coast sectors are reported as especially heavy.

Markets at Other Centers

Chicago—December 4

Butane.—Good call, market firm.

Heptane.—Active demand, prices holding.

Hexanes.—Inquiry good, market strong.

Octanes. — More orders, quotations steady.

Pentanes.—Business brisk, with prices unchanged.

Propane.—Heavy demand, market stiff.

San Francisco—December 4

Current takings of butane and propane well maintained. There will be little, if any, increased supply next year. On the other hand, the overall supply and stocks among producers are expected to take care of general needs.

Butane.—Consuming interest high.

Propane.—Steady movement.

Tulsa—December 4

Virtually all the lighter hydrocarbons are under heavy buying pressure, with suppliers generally unable to meet all demands. Sellers are thus in control of the situation and are parcelling out the liquefied gases as best they can. Scarcity of the special-type tankcars required for shipping these products continues to constitute a deterring factor in the movement to eastern centers.

Butane.—In brisk call, with requirements far outstripping supply. Prices firmly held.

Propane.—Efforts of the War Production Board to induce non-essential consumers to stock up for the winter, immediately, are bearing fruit in large purchases. Tone strong.

Petrolatums and Waxes

Paraffin.—A keen demand and a short supply of these waxes have combined to cause a further strengthening of the market. But, since OPA's raising of price ceilings on all grades delivered in the States of Washington, Oregon and California, there have been no further puncturings of these ceilings on the Pacific Coast. Although sharp markups in the local market would be war-

Oil Products from Coal

Further experimentation in producing light-hydrocarbons from natural gas, while also creating napthas, gasoline, fuel oil and other petroleum products from anthracite coal, is now being planned by the U. S. Bureau of Mines in a pilot plant and laboratory which it has just been authorized to construct. Authorization for this work in the production of the lighter fractions obtained from gas cracking has been given to this bureau by the War Production Board, which had previously ordered the suspension of most of the bureau's wartime construction projects, following a hearing with a favorable outcome before WPB's facility review committee.

Simultaneously with the completion of additional capacity at its helium-production plants at Amarillo, Texas, and its construction of similar plants at five other sites, the Mines Bureau will finish building and equipping as speedily as possible the new gas fractionating plant for making butane, propane, pentane, hexane, heptane, octane and closely related petroleum gases from natural gas and also for producing the other petroleum by-products from coal. In this unscrambling of coal and the separation of its petroleum derivative components the bureau will use the so-called Fischer-Tropasch method.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 9

VIKING
Petroleum Solvents
PENTANE
HEXANE HEPTANE
PETROLEUM ETHER
LIGROIN BENZINE
LOW COST—HIGH QUALITY
Special Solvents for Specific Purposes
VIKING DISTRIBUTING CO.
B.V. BLDG. CHARLESTON, W.VA.

PETROLATUMS and WHITE OILS
From The Refinery of Controlled Specialization
SHERWOOD
REFINING COMPANY, INC.
ENGLEWOOD, N. J. • BRADFORD, WARREN, PA.

ALUMINUM CHLORIDE
ANHYDROUS
PHOSGENE
(CARBONYL CHLORIDE)
ALUMINUM CHLORIDE CHEMICALS CARBONYL CHLORIDE
NIAGARA CHLORINE PRODUCTS CO.
LOCKPORT, NEW YORK

ranted by the situation here, there can be no advances in price without the hitherto withheld authorization of OPA. Some refineries are still having difficulty in keeping up with the clamorous demand for many of the fully refined grades. The call for crude and semi-refined grades is likewise unabated.

Petrolatums. — Though supplies continue ample, a much firmer undertone pervades this market since the recent price revision. A moderate buying interest is exhibited in all U.S.P., veterinarian and industrial grades. Quotations are well maintained on all the U.S.P. grades packed in non-returnable fiber drums for domestic shipment.

Amorphous Waxes.—In keen demand and only moderate supply, with prices well maintained.

White Mineral Oils.—An active call is reported for all these oils, especially brisk for the higher viscosities. Prices unaltered.

Markets at Other Centers

Chicago—December 4

Paraffin.—Good call, market firm.

Petrolatums.—Inquiry active, market steady.

White Mineral Oils.—Market fairly active, prices strong.

Los Angeles—December 4

The wax producers on the Coast are completely unable to build up any warehouse inventories, so great is the demand here.

Fuels and Lubricants

Anthracene.—To provide additional residual fuel for war industries and to conserve transportation facilities, storage accommodations and manpower, the Petroleum Coordinator has called for discontinuance of the use of slow-curing road oil and has requested that the number of petroleum asphalts and surfacing materials manufactured for paving purposes be reduced from 27 to 17 standard grades.

Crude Petroleum.—Instead of showing a long-hoped-for improvement, tankcar shipments of crude petroleum and products to the East Coast have shown another diminution within the past week by averaging only 768,749 barrels daily, compared with an average of 784,921 barrels for the previous week. There has been some encouragement, however, in the prediction made by the Petroleum Coordinator that 27,000 more barrels of crude oil will soon be flowing Eastward as a result of adjustments recently made on a number of pipelines. According to the U. S. Bureau of Mines' records, stocks of domestic and foreign crude oil at the close of the week ended November 21 totaled 235,305,000 barrels, showing an increase of 43,000 barrels, made up of a gain of 72,000 barrels in stocks of domestic crude and a decrease of 29,000 barrels in stocks of foreign crude. Production in the oil fields has shown a decline of 34,400 barrels to an average daily output of 3,878,000 barrels within the past week. This is 153,400 barrels below OPC's November goal of 4,031,400 barrels.

Fuel Oil.—A fair measure of relief in the fuel oil shortage on the East Coast has been afforded by the foresight of the New York State Division of Commerce in encouraging greater use of the State barge canal for the "reverse" movement of petroleum and products from West to East. Since August 31 Governor Herbert H. Lehman reports, the volume of all petroleum products moved Eastward through this canal has risen to an average of 65,250 barrels a day as compared with a daily average for the comparable immediately preceding period of 56,700 barrels. Inventories of light fuel oil have been amplified within the past week by 198,000 barrels to 49,739,000 barrels, and heavy fuel oil stocks have been swelled by 17,000 barrels.

Gasoline.—One refiner in the Gulf Coast area has reduced his price for U. S. motor 72-74 octane, in tanks, by a quarter cent to 5¾ cents and this is now both the highest and lowest quotation for this grade. Stocks throughout the country showed an increase of 271,000 barrels at the close of last week, amounting to 78,854,000 barrels, according to the American Petroleum Institute. With the advent of nationwide rationing, WPB has removed all but two restrictions regulating the distribution of motor fuels. These remaining restrictions are those curbing the shipment of gasoline from the East Coast and the Pacific Northwest to other sections of the country.

Kerosene.—In order to meet the new price ceiling set by OPA November 12, the 41-43 waterwhite grade has been marked up by suppliers in Jacksonville, Fla., a quarter cent per gallon to 6¾ cents. In all other regions, however, prices of all grades, though firmly held, have remained quotably unchanged.

Markets at Other Centers

Chicago—Dec. 4

Gasoline.—Active interest, prices firm.

Kerosene.—Fair demand, no price change.

Lubricating Oil.—Good call, market prices steady.

72d—OPD—Year

Ickes Now Petroleum Administrator for War

—Continued from page 5

policies and actions relating to oil more so under one head than before. In large measure it followed the line of the executive order establishing the Office of the Rubber Director.

Specifically stated in the order are provisions that powers of the War Production Board, the Office of Defense Transportation, the War and Navy Departments and other agencies relating to various phases of the oil problem are not to be restricted by the authority given Mr. Ickes, but Mr. Ickes "shall establish basic policies and formulate plans and programs to assure for the prosecution of the war the conservation and most effective development and utilization of petroleum in the United States and its territories and possessions and issue necessary policy and operating directives."

Section 3 of the order, which contains the principal powers conferred upon the Administrator, provides that the Administrator shall:—

1. Obtain estimates of the amount of petroleum which will be required to meet direct and indirect military and essential industrial and civilian needs and submit them to the WPB with recommendations for allocations to meet the requirements.

2. Recommend to the WPB estimates of the quantities and kinds of material needed by the petroleum industry to make available the petroleum.

3. Subject to direction of the chairman of the WPB, take appropriate action seeing to it that the petroleum industry provides adequate supplies of petroleum to meet requirements, and to effect the proper distribution of materials allotted to the industry by the WPB.

4. Compile data and make continuing surveys of the effect of prices charged for petroleum upon the efficient wartime operations of the industry, and consult and advise the Office of Price Administration on adjustments in prices.

5. Be advised of all plans dealing with civilian rationing of petroleum and consult with rationing authorities in the development of such plans; and, in those instances where rationing is for the purpose of maintaining adequate supplies of oil, determine the areas and times within which such rationing should be effective.

6. Consult with the War Shipping Administration with respect to assignment of tankers and the movement of petroleum and, subject to requirements of the War and Navy, recommend allocations as between units of the industry of available tankers.

7. Designate the quantity and kind of petroleum to be shipped and received by those engaged in the oil industry, and certify such designations to the Office of Defense Transportation for appropriate action in providing the necessary transportation.

8. Review all plans for construction of petroleum pipe lines and, subject to the over-all responsibilities of the ODT, approve such plans as are necessary to provide adequate supplies of oil for war and other essential uses and recommend to the WPB programs covering the amounts and kinds of materials needed for such pipe lines.

9. Certify to the various state regulatory bodies the amounts and kinds of petroleum which should be produced.

The new office exists under the executive order as an independent war agency with the administrator reporting directly to the President. There is also provided a deputy administrator, to whom the administrator may delegate "any and all power, authority and discretion conferred upon him." Ralph K. Davies, who has been deputy coordinator since establishment of that office, became deputy administrator in the new set up.

72d—OPD—Year

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Fertilizer Materials

OPA, Reluctant to Grant Petition of Oilseed Meal Distributors for Larger Profit Margins, Also Puts Checkrein on Processors' Premiums in Small Lot Sales

Interest in the fertilizer materials market within the past week has been focused upon efforts of middlemen handling oilseed meals to obtain permission to secure margins of profit or differentials over the price ceilings established by the Office of Price Administration considerably larger than those only recently set forth in Amendment 61 to GMPR's Supplementary Regulation 14. As originally recorded in the November 30 issue of the REPORTER, these dealers held a conference with OPA officials in Washington, following an organization meeting of their own in Chicago. At this Washington conference these distributors contended that they could not carry on their operations successfully if confined within the OPA's lately announced margin limitations which hold down the jobber's margin to 50 cents a ton over the mill price and those for wholesalers to $2 over the figure paid to the jobber and $2.50 on purchases from a manufacturer.

The OPA officials have taken the distributors' arguments under advisement, but have shown no sign to date of granting their application for more liberal differentials, inasmuch as this would be impossible of accomplishment without raising prices to the farmers, who are the ultimate consumers, unless minimum prices to consumers, fixed in CCC contracts, and ceiling prices established by OPA, were unified at levels far below those now prevailing, on which numerous contracts have already been consummated by the mills.

Meanwhile OPA has supplemented its limitations of middlemen's profit margins by issuing another order restricting processors' prices on less-than-carload lots to a $1 per ton premium over full carload lot prices on sales to jobbers, wholesalers or retailers, and to a $3 per ton premium in sales to consumers or feeders.

In their endeavors to procure nitrogenous products in chemical form, from which nitrogen is most readily released into the soil, manufacturers of complete fertilizer compounds have tried hard to obtain more liberal allocations of nitrate of soda and sulphate of ammonia and have been granted slightly larger allotments of the last-mentioned material by WPB. Without making formal announcement of a continuation of their November price schedule for December, the importers of Chilean nitrates have stated that there will be no change in their prices for these natural

Price Changes

Advanced

Hoofmeal, 17-18 percent ammonia, bulk, f.o.b. Chicago, 15c. per unit-ton.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	70.6

Market news that may have developed after this report was sent to press will be found on page 4.

Nitrogenates

Castor Pomace.—An acute shortage characterizes this market. At the moment, no offerings are being made for spot or nearby deliveries. Prices strongly maintained at ceiling.

Cottonseed Meal.—Still scarce and difficult to procure earlier than for February delivery. A more or less nominal quotation of $38.50 per ton is being made for 8 percent nitrogen grade on spot at Southeastern mills. Ceiling prices for February shipment, 41 percent protein, is $35 and that for 43 percent, $36.50.

Cyanamid. — Slightly more liberal offerings still being made to fertilizer industry but bulk of output is still moving into munitions plants in Canada and the United States.

Dried Blood.—With no likelihood of arrivals from South America and with domestic packers absorbing the lion's share of their own output while the remainder is being snapped up by feed manufacturers, there is little or nothing available for fertilizer interests. Prices holding at ceiling levels.

Fish Meal.—Despite reports of more satisfactory hauls off the coast of North Carolina, there is still a pronounced shortage of menhaden scrap which is not likely to be greatly relieved in the few remaining weeks of the 1942 season. No meal is yet being processed.

Hoofmeal. — Recent takings have been so heavy as to all but denude the market in Chicago of offerings. Latest sales have been made at $4.50 per unit-ton for 17-18 percent ammonia, in bulk, f.o.b. Chicago, or 15 cents above the inside figure recently quoted.

Linseed Meal.—Another big linseed crushing plant in the New York area has converted its production facilities to making soybean meal and cannot even offer the latter until a later date, because it has not yet completed its operating arrangement with CCC. Other leading crushers had previously turned to processing soybean prod-

Soil Analysis Needed

With the opening this month of the new fertilizer season in the Deep South, the Department of Agriculture is doing everything within its power to enable farmers in Florida, Georgia, North and South Carolina, Alabama and Mississippi to get the largest yields obtainable in 1943 through the selection and application of the fertilizing agents best adapted to their soils.

Necessarily, the most suitable fertilizers vary according to the character of each of the soils. And to determine what materials to employ to greatest advantage, it is needful to analyze each of the soils in the many well-defined farm areas in these states and discover by this method the plant food elements in which they are deficient. These analyses are being accomplished on a constantly expanding scale by the federal department's experimental stations, supplemented by the extension services of the departments of agriculture in the various states.

Analysis of a major portion of these southern region soils is showing that they generally require liming as a first step in building them up. Next, they usually need a compound containing a fair percentage of nitrogen as well as phosphoric acid and potash. But, when it is found impossible to obtain chemical nitrogen products, organic nitrogenates, such as the oilseed meals and even farm manure, can be used to advantage.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 9

STOCKPILING SULPHUR

The Division of Industry Operations of the War Production Board has urged sulphur consumers to build up reserve supplies at their plants so that possible transportation tie-ups in the future will not halt their operations.

The Director of Industry Operations has issued General Inventory Order M-132 to make such stockpiling possible. The Order relaxes Priorities Regulation No. 1 to permit deliveries of sulphur in excess of a practical minimum working inventory. Under M-132, no restrictions are placed upon deliveries or acceptances of sulphur from a primary producer.

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ucts. Market now bare of offerings of linseed meal but one local mill, now withdrawn from the field reports that it may have additional tonnages to offer subsequently. No price ceiling yet established for this meal.

Nitrate of Soda.—Chilean nitrates continue moving steadily into consuming channels on allocations, with the major portion of the supply going to fertilizer consumers, and the remainder into munitions making. Without any formal announcement, prices on nitrates from Chile are being continued by their importers at unchanged figures for December. Domestic manufacturers of synthetic soda nitrate, the bulk of whose output is being taken up by war materials plants, with the residue going to fertilizer consumers, had previously announced the extension of their November price schedule through the current month.

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Peanut Meal. — In scanty supply with virtually none available for spot delivery, although a nominal quotation of $39 per ton continues to be made for January delivery of this meal at Southern Alabama-Georgia mills. For February deliveries, ceilings are $35 for 45-47 percent protein, $37 for 48-50 percent protein and $39 for 51 percent and higher.

Nitrogenous Material.—Continues in heavy demand, but devoid of new offerings. Allocations of small amounts on outstanding contracts are still being made to Southern consumers from Chemical, Ill., at $2.90 per unit-ton.

Soybean Meal.—Although production capacity has been materially expanded by the recent turning of several linseed mills to making the product, offerings of spot goods are meager and only moderate tonnages are available for January, February and later deliveries. OPA's ceiling prices are $32.25 per ton for January, $32.50 for Feburary, $32.75 for March and $33 for April shipments, with authorization to add 25c per ton, each succeeding month, all f.o.b. Decatur, Ill., in bulk. If packed in bags, $3 per ton additional is authorized to cover cost of these containers.

Sulphate of Ammonia.—WPB is making slightly more liberal allocations to fertilizer interests but the bulk of the output is continuing to be absorbed by munitions making and lend-lease shipments. Estimates on by-product cokeoven operations for week ended November 28 indicate production of 38,134,880 pounds from that source.

Tankage.—Continues in the same position as dried blood.

Potashes

Domestic producers report their output of muriate and manure salts sold up to next March. The small remainder uncontracted for is not likely to suffice until the new season dawns next Spring, especially as there are no sizable additional imports from Russia in sight. Prices strongly maintained on resales.

Phosphates

Bone Materials.—As there has been no relief from the long-continued shortage of domestic bone materials and no importations from South America available in the open market, offerings are few and far between. Recent arrivals of crude bone and bonemeal for packing house interests have been shot into the imports' consuming channels without reaching the open market. Prices firmly held on both at recently advanced levels.

Cottonseed Hull Ash.—Suppliers of fertilizer to northern tobacco growers continue inquiring for this material. Price strongly maintained on scarcity of offerings.

Phosphate Rock.—Both Florida land pebble and Tennessee brown rock continue moving steadily into consuming channels. Prices well maintained.

Superphosphate. — In unabatedly active demand. Current output ample but movement still hampered by inadequate transportation accommodations. Triple superphosphate producers report being sold out a long time ahead.

Sulphur and Pyrites

Crude sulphur continues in ample supply, with leading producers still encouraging consumers to stock up well, in order to avoid more serious transportation handicaps than have yet developed. Prices are well maintained. No intimation has yet been received of when OPA's recently promised upward price revision, to compensate for increased movement by rail which has replaced the cheaper shipment by water, will materialize or how much of a markup is in prospect.

Markets at Other Centers

Atlanta—December 4

The oilseed meal situation does not improve. Dealers undertaking to serve the fertilizer trade report that neither cottonseed nor peanut meal is available. No meal is offered by mills for December. Mill sales are made in small lots to local buyers, mainly for the feed trade. Though there have been reports of a possibility of getting soybean meal, local dealers state that none has been made available for the fertilizer trade.

Superphosphate.—61c. per unit, interior producing points.

Nitrate of Soda.—Allocated, $30 per ton when available.

Sulphate of Ammonia.—Allocated, $29 per ton, ports; $28 at ovens.

Cottonseed Meal.—8 percent grade, $38.50 per ton, when available.

Peanut Meal.—None available, nominally $39 in January for 51 percent or more, if available.

Baltimore—December 4

Fish Scrap.—The weather which permitted the menhaden fishing vessels operating off the North Carolina coast to make fair hauls the week before, turned unfavorable again last week, with the result that, between the absence of fish and the limitations put upon the operations of boats by war conditions, the fleet in those waters was again virtually tied up. As a result, the offerings of scrap amounted to nothing, with producers having more orders in hand than they can hope to fill and with shifts from North Carolina to Florida being at times reported too. Fish meal has been further affected by a new OPA order which raises more complications. One of the provisions of this order requires sellers virtually to guarantee the protein content of their materials while another stipulates reductions in the price if it falls below a fixed percentage. The ceiling is $41 per ton for meal of a fixed protein content, at all shipping points. No trading in scrap has recently been reported.

Chicago—Dec. 4

Dried Blood.—Principal grade, unground, $5.38 per unit of ammonia.

Tankage.—Unground, feeding grade, $5.53 per unit; hoofmeal, $4.50; liquid stick, $2.25 to $2.50.

Bone Materials. — Ground, steamed bone, 3 and 50 percent, $35 to $36 per ton; cattle jaws, sculls and knuckles, $40 to $42; dry, rendered tankage, hard-pressed, $1.20 to $1.21; 50 percent meat and bone scrap, $68.

San Francisco—December 4

Firmness continued to rule here in crude fertilizer materials, and while the majority of products are in very light supply, the trade was jubilant over the announcement of additional allocations—the third set to date—of sulphate of ammonia. These additional allocations were granted by the WPB when it became apparent that supplies were being produced faster than anticipated previously.

Ammonia Phosphate.—Quoted at $40 per ton for 16/20 grade, delivered inland points.

Ammonia Sulphate.—Sold subject to WPB allocation at $30 per ton; freight allowance up to $4.40 per ton.

Fish Meal.—In light supply, with most of the catch sold for the season. Quoted:—56 percent protein at $75.50 per ton; 67 percent at $77.50; 70 percent at $81. An additional charge of $2 per ton is made on merchandising account.

72d—OPD—Year

OPA Asks Operating Reports on Crude Oil

—Continued from page 5

terly periods beginning January 1, 1941, through September 30, 1942, and are returnable on specified dates.

With such records of normal refinery operations available, OPA will be able to expedite decisions on proposed changes in price structure. It also will be able to gauge without delay the immediate effect of proposed or actual demands arising from the impact of war emergencies and future governmental regulations and requirements.

The report forms follow closely the standards of the Bureau of Mines as to type of plant, equipment, capacity and other operations. Also to be included are production costs and total finished production values of the plant. The new order is dated November 18.

72d—OPD—Year

E.D. Cumming Joins Petroleum War Office

—Continued from page 5

charge of refining for the Shell Oil Company, New York.

Mr. Cumming, a native of Alabama, was graduated from Alabama Polytechnic Institute at Auburn, and was first employed by the Shell Company in its Pacific coast refining operations. After years of experience there, and before being transferred to New York as vice-president in charge of refining, he was for a time manager of Shell's Wood river, Ill., refinery.

72d—OPD—Year

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N.A.M. Adopts War Program

—Continued from page 4

then proposes pursuance of the following lines of action:—

By Management

Management should, with complete disregard for possible post-war consequences, continue all necessary conversion of industrial plants for war production.

It should intensify its research for new and improved weapons of war.

It should intensify its research for substitute materials that will increase war production.

It should intensify its efforts for the most effective use of all available labor.

It should make available to government skilled executives who are not more essential to war production in industry itself.

It should help solve the nation's transportation problem by handling all shipments as smoothly and speedily as possible.

It should make every effort to lower war production costs and to eliminate waste and red tape in its own operations.

In short, management should direct the full force of its initiative, resourcefulness and organizing ability to production of the goods needed to win the war.

By Labor

Labor should stop all strikes and boycotts.

It should end jurisdictional disputes between rival unions.

It should end all "slowdowns" and all restrictions on the output of war goods.

It should stop unnecessary absences from work.

It should stop organizing activities which restrict production.

It should end the practice of making workers pay fees before being permitted to work in American war plants.

In short, labor should direct the full force of its skill, energy and resourcefulness to production of the goods needed to win the war.

By Government

The government should recognize and support the responsibility and authority of management in planning and carrying out production.

It should protect every individual loyal to the cause of the United Nations in his right to work.

It should stop imposing on workers and industry the closed shop or any other form of compulsory union membership.

It should forbid and punish all picketing designed to prevent employees from making war goods.

It should recognize that, with an approaching shortage of manpower, it will be necessary to lengthen the average work week in order to get maximum production.

It should aid farmers and food processors to secure sufficient competent workers and thus help to produce an adequate food supply for both the armed forces and the civilian population.

It should make all orders, directives, and regulations simple, concise, and understandable and should apply them uniformly to all similarly situated.

It should make every effort to lower all government costs and to eliminate waste and red tape in its operations.

It should reduce to a minimum all questionnaires, reports, and appearances before boards, commissions, and agencies.

It should reject all proposals which seek to use the war as a cloak for socializing the nation.

In short, the government, in its coordination of the total war effort, should promptly remove every burden and restriction which now hampers or prevents management and labor from making all the goods needed to win the war.

72d—OPD—Year

Casein Ceiling Continued by OPA

—Continued from page 5

September 28 and October 2, this year. The ceiling remains permanent until such time in the future as OPA issues a separate price order which may or may not fix the ceiling at some other level. There were indications in the OPA announcement that such a step is contemplated. The announcement said:—

The new regulation—under which ceiling prices of these commodities (those covered in TMPR 22) continue frozen at the highest level at which they were sold by each individual firm during the September 28-October 2, 1942, period—soon would be replaced by specific dollars and cents ceilings at the processor level and fixed margins for different classes of wholesale houses and retail stores. As such orders are issued, the commodities in question will be withdrawn from the coverage of maximum price regulation No. 280.

72d—OPD—Year

Chemical Consultants Study Aid to War Effort

The Association of Consulting Chemists and Chemical Engineers will hold a dinner-meeting December 7 at 6:00 p.m., at the Electrical Testing Laboratories, Inc., 1 East End avenue, this city. The purpose of the meeting is to consider how independent consulting chemists and chemical engineers are assisting in the war effort; how they can be of greater use to the government, and how obstacles in the way of fullest utilization of these technical agencies directly by government can be removed. Representatives of the Army and Navy have been invited to attend this meeting to consider with the members of the association the possibilities of removing the obstacles in this matter. Among those who will be present are:—Col. M. B. Chittick, Chemical Warfare, Washington; Capt. W. C. Wallace, New York, and Capt. H. de F. Mel, U.S.N, Washington.

72d—OPD—Year

J. J. Clarey, jr., foreign advertising manager for Bristol-Myers Company, has returned to his duties with the company, after having served for several months as consultant with the Office of the Coordinator of Inter-American Affairs.

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6 6' x 6' Silex lined pebble mills

1 Struthers-Wells triple effect evaporator; high velocity. Print available

1 Swenson triple effect evaporator

1 Swenson single effect evaporator. Details available

MISCELLANEOUS

Vacuum pans, vacuum filters, vacuum pumps, copper, aluminum, steel kettles and tanks, hammermills, ball mills, filter presses, evaporators.

Send for our bulletin

FIRST MACHINERY CORP.

FMC

9th St. & EAST RIVER DRIVE
NEW YORK CITY

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

Agencies Wanted

OLD ESTABLISHED Cincinnati firm would be interested in representing actual producers of pigments, chemicals, or other raw materials in part of Ohio and Louisville, Ky. BOX 176, Oil, Paint and Drug Reporter.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 168, Oil, Paint and Drug Reporter.

LABORATORY SIZE vacuum drum dryer, new or used. State full particulars, location and price. BOX 170, Oil, Paint and Drug Reporter.

Factories Offered

FIREPROOF FACTORY, modern, 30,000 sq. ft., complete refrigeration system, large elevator, steam plant, electric power, water, gas lines throughout, waterproof floors with drains. Unrestricted district, Queens, N. Y. C. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Materials Offered

PAINTERS CAPS, paperhanger aprons and all other forms of cloth advertising specialties; samples and information on request. Minnesota Specialty Co., 119 N. Fourth street, Minneapolis, Minn.

Materials Wanted

TO MANUFACTURERS and jobbers—Are you overstocked? We require immediately large or small lots, many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. BOX 169, Oil, Paint and Drug Reporter.

Positions Vacant

VARNISH CHEMIST wanted by fast-growing paint and varnish plant in Middle West. Must have up-to-date knowledge of latest developments in varnish technology. Also knowledge of enamels, etc. Write giving age, draft status, experience, education and salary desired. This is excellent opportunity for competent, experienced chemist. BOX 167, Oil, Paint and Drug Reporter.

Positions Vacant

WANTED BY medium size Philadelphia paint and varnish manufacturer, formulator, capable complete charge, industrial, dealer and specification products. Exceptional opportunity. Please give full qualifications in confidence. BOX 171, Oil, Paint and Drug Reporter.

—Continued on page 79

CHOICE EQUIPMENT

STAINLESS STEEL Jacketed, 60 gal. agitated autoclave, 750 lb. internal pressure.

SMITH 500 gal. steel jacketed, agitated Autoclave, 500 lb. internal pressure.

VALLEY Iron 5½ gal. cast iron, jacketed agitated Autoclave, 900 lbs. internal pressure.

BETHLEHEM-FREDERKING Cast Iron Kettle, 7'x9'.

Cast Iron closed jacketed kettle, 6'-6"x8'-6".

SHARPLES No. 6 Super Centrifuge, separator bowl, motor driven.

SPERRY Cast Iron 36", 2 eye closed delivery Filter Press, 2" frames.

SHRIVER Filter Presses, Cast Iron, 7" to 24".

SHRIVER 12" Lead Filter Press, closed delivery.

4—**DEVINE** 200 gal. agitated, closed cast iron kettles.

J. H. DAY 12"x32", 3 roll Water Cooled Mill, silent chain drive.

J. H. DAY & LEHMAN 16"x40", 3 roll Mills, Water Cooled, silent chain drive.

ABBE ENG. Jacketed Porcelain Lined Pebble Mill, 4'-6"x3'-6".

4—Mixers & Sifters, 400 lb. to 600 lb. cap.

GEDGE GRAY Mixer, 2000 lbs. capacity.

List your surplus with us!

MACHINERY & EQUIPMENT CORPORATION
59 East 4th Street New York City

TANKS

23 Steel Oil Storage 5,000 — 8,000 — 11,500 and 20,000 Gal. Cap.
2—10,500 bbl. capacity field tanks.
9 Cypress 3,800 gal. 9 ft. dia. 8 ft. high.

TANKS ON TOWERS

100,000 gal. Steel 40' Tower
75,000 gal. Steel 80' Tower
35,000 gal. Steel 90' Tower
25,000 gal. Steel 80' Tower
1—100,000 gallon Steel 82' Tower
1—40,000 gallon Steel 100' Tower

R. C. STANHOPE, Inc.
60 EAST 42nd ST., NEW YORK, N. Y.

LIQUIDATING

1—No. 4 Sweetland Filter Press with Stainless Leaves
1—32" Iron Filter Press, 42 Plate
1—Paterson 7' x 5' 6"—Silex
2—Paterson 4' x 5'—Silex
1—Abbe 4' x 6' — Porcelain Pebble Mills, Motor Driven
5—48" and 60" Rubber Basket Extractors
5—Rubber Lined Tanks
4—8,000 Gallon Steel Pressure Tanks
2—1,000 Gallon Soap Kettles
5—Copper Steam Jacketed Mixing Kettles, 50 to 350 Gallons
1—Trusk Dryer
Pumps, Boilers, Generators

REPUBLIC EQUIPMENT CO.
40 Worth Street New York City
WOrth 2-4583

★ **HOW TO WIN THE WAR** ★

BUY BONDS SAVE TIME! BUY EQUIPMENT from **"CONSOLIDATED"**

PARTIAL LIST

17—RUBBER LINED Rectangular TANKS. 1-2200 gal., 2-1000 gal., 2-650 gal., 9-500 gal., 2-200 gal., 1-150 gal.
1—Proctor & Schwartz 9-TRUCK Atmospheric DRYER, 1562 sq. ft. tray surface.
2—Rotary VACUUM DRUM DRYERS: 1-Buffalo 48" x 40" Single Bronze Drum; 1-Devine 3' x 9' Double Bronze Drum.
1—10' dia. x 40" face REVOLVING DRYER.
7—ROTARY VACUUM DRYERS: 1-Buffalo 5' x 30'; 5-Devine 4' x 25'; 1-Devine 4' x 30'
3—ATMOSPHERIC DRUM DRYERS: 2-Anco 4' x 9' single drum; 1-4' x 8'.
50—25 gal. MONEL open TANKS; 12-45 gal.
1—20 gal. MONEL KETTLE electrically heated.
1—50 gal. STAINLESS STEEL LINED jacketed KETTLE.
1—100 gal. ALUMINUM JACK KETTLE, 2-80 gal., 1-60 gal., 2-40 gal., 1-20 gal.
4—300 gal. PFAUDLER WATER JACKETED KETTLES, side m.d. agitators; 1-125 gal.
4—300 gal. COPPER CLOSED TIN-COATED TANKS.
35—CENTRIFUGAL EXTRACTORS, 12" to 72", bronze and steel baskets, belt and motor drives.
8—PEBBLE MILLS: 1-Patterson, 6' x 7' Silex Lined; 1-32" x 42" rubber lined; other sizes.
1—Stokes 79-80 Combination TUBE FILLER, CLOSER Clipless Closure, m.d.
6—3 ROLLER MILLS, up to 16 x 40.
8—1000 lbs., 800 lbs., 600 lbs., DRY POWDER MIXERS, other sizes.
2—W. & P. MIXERS, size 21-X-BB, jacketed, 625 gallons; 1-size 15, 100 gal. jack.; 1-size 14,50 gal. jack.; other sizes.
4—4' x 6' Iron OLIVER CONTINUOUS FILTERS.
1—Pneumatic Scale PACKAGING UNIT.
1—14' dia. WEDGE FURNACE, 7-hearth, complete.

IMMEDIATE ACTION!
LIQUIDATION
Former Garcia Sugars Plant Long Island City, N. Y.

5—Iron Filter Presses: 3-42"x42", 38 chambers; 1-18"x18", 24 chambers; 1-15"x15", 18 chambers.
10—Steel Tanks: 4-5000 gal. vert. closed; 1-5000 gal. open, agitated; 4-1000 gal. vertical.
1—Sharples centrifuge with monel bowl.
1—54" dia. Copper Jacketed Vacuum Pan.
1—250 gal. Copper Jacketed Kettle.
1—30" Centrifugal Extractor.
2—Portable Bag Filers, m.d.
1—Union Spec. Bag Sewing Machine.

Miscellaneous: Buffalo Filling Machines, Air Compressors, Tanks, Structural Steel Framework, Piping, Valves, Fittings, Pumps, Motors.

ACT NOW! WIRE OR PHONE YOUR INQUIRIES
SEND FOR COMPLETE LIST

1—Sperry 42" x 42" CAST IRON FILTER PRESS, plate-frame, 55 chambers; 1-Shriver 36" x 36", washing, 60 chambers; 20 others, 30" x 30" to laboratory sizes.
9—HEAT EXCHANGERS, Ahlberger; 50, 100, 300, 440 sq. ft. heating surface; also smaller sizes.
2 Cresson Morris 48" Copper basket CENTRIFUGALS, ball bearing, direct m.d.
5—RAYMOND PULVERIZERS: 5 Roll High Side; No. 1 Beater Type: No. 0000.
3—Vilter AMMONIA COMPRESSORS, twin horiz. 250 tons each, direct motor driven to West. 500 HP synchr. Motors, 3-60-440 V.
1—Vilter AMMONIA COMPRESSOR, 40 tons, motor driven with West. 100 HP 3-60-440 V.
2—Direct Heat Rotary DRYERS: 1-6' x 24' Iroquois and 1-5' x 30' Iroquois, 36" shells.
2—All Copper EVAPORATORS: 1-Badger triple 450 sq. ft. per effect, complete; 1-Standard triple 350 sq. ft. per effect, complete.

Wanted: IDLE MACHINES

Right now there are some urgent inquiries which we are trying to fill. If you will take the time to send us a list of all machines you can spare, you will accomplish the double result of helping some defense output and turning a wasting asset into cash. Remember—we buy Single Items and Complete Plants.

Send for "Consolidated News" listing complete stock

We Buy and Sell From a Single Item to a Complete Plant

FOR 25 YEARS A SYMBOL OF CONFIDENCE

CONSOLIDATED PRODUCTS CO., INC.
13-18 Park Row New York
Shops: 335 Doremus Avenue Newark, N. J.

Business Wants and Offers

—*Continued from page 78*

Positions Vacant

CHEMIST WANTED, male or female, by large company operating in the New York area. Several openings, permanent, available. In some cases, experience or knowledge synthetic resin chemistry and/or paint technology prerequisite. For other openings, basis chemical theory sufficient. Write giving age, draft status, experience, education and salary desired. Your application will be kept confidential. BOX 173, Oil, Paint and Drug Reporter.

JUNIOR EXECUTIVE wanted. Opportunity with large drug and pharmaceutical manufacturer. Real opportunity for young man with desire and ability to improve himself. One of the largest drug and pharmaceutical manufacturers starting expansion program for important division. Needs man with combination ability—office manager, buyer, correspondent. Experience with chemicals or drugs. Starting salary moderate. Work hard and demanding. Future possibilities good. All inquiries in strict confidence. BOX 177, Oil, Paint and Drug Reporter.

Plants Wanted

REQUIRE FINE fractional distillation facilities for solvent ranging from 100 to 175 degrees centigrade; rental or toll basis. BOX 172, Oil, Paint and Drug Reporter.

WANTED TO buy or rent idle or partly busy paint and varnish plant with modern equipment in New York Metropolitan area. Send full particulars to BOX 174, Oil, Paint and Drug Reporter.

FOR SALE!

3—Lead Lined Absorber Tanks, 6'6"x7'.
1—Lead Lined Mixing Tank, 6'9"x6'4".
2—Glens Falls 20"x8' Sulphur Burners.
2—Nash No. 4 Vacuum Pumps.
2—S. & K. Heat Exchangers, 40 and 80 sq. ft.
3—Copper Tanks, 2,000 and 2,500 gals.
1—Struthers Wells Vertical Steel Tube Evaporator, Single Effect, 3,300 sq. ft.
5—ROTARY DRYERS, 6'x70', 4'x40', 4'x30', 3'x20', 3'x18'.
1—Shriver 24"x24" Steam Jacketed Filter Press, 30 chambers.
8—Rubber Lined Pebble Mills, 24"x36", 36"x36".
3—Jeffrey Hammer Mills, 18"x24", 24"x36", 36"x18".
5—Roller Mills, 5"x12", 9"x24", 12"x32".
6—Pony Mixers, 8, 15, 20, 40 gals.
2—Mikro Pulverizers 12", 24".
2—Steel Storage Tanks, 20'x20'.
1—P. & S. Tray Dryer.
3—Cast Iron Plate and Frame Filter Presses, 36"x36".
1—Hersey 5'x25' Indirect Heat Dryer.
2—Rubber Lined Tanks, 42"x60".
2—Stainless Steel Jacketed Tanks, 46"x30", 36"x48".
1—Rotary Continuous Filter, 6'x4'4".
1—Jacketed Pebble Mill, 24"x30".
3—Atmospheric Drum Dryers, 4'x8', Double Drum 28"x60", 36"x96".
1—Cutler No. 4 Steam Tube Dryer.
23—Storage Tanks, from 5,000 to 50,000 gals.
1—Raymond No. 1 Pulverizer motor driven.
1—Day Imperial No. 30 Jacketed Mixer.
4—Rotex Screens, 20"x40" to 40"x84", single, double and triple deck.
14—Pebble Mills, Lab., to 600 gals.
6—Sharples No. 6 Clarifiers.
5—Tolhurst Centrifugals, 26" to 60".
12—Dry Batch Mixers, 50 to 2,000 lbs.
26—Copper Jacketed Kettles, 10 to 300 gals.
4—Sweetland Filters, Nos. 5, 7, 10.
19—Shriver and Sperry Cast Iron, Wood, Filter Presses, 12" to 42".
6—Colloid Mills, U. S. and Premier.
12—Glass Lined Tanks, to 1,000 gals.

Cash Buyers of Your Surplus Equipment —From a Single Item to a Complete Plant

BRILL Equipment Co.
183 VARICK STREET NEW YORK

Positions Wanted

EXECUTIVE, EXPERIENCED handling and selling, raw materials, industrial chemicals, and allied materials, familiar with government, war industries and general trade buying, open for position with manufacturer needing capable man. BOX 164, Oil, Paint and Drug Reporter.

HOMOGENIZER

Charlotte Chem. Mfg. model 800.

SHAKER SCREEN

Jeffery-Traylor, shaker type CVS-8, 6" wide hand deck, capacity 7 to 8 tons per hour; with 15 cycle, 110 volt, single phase vibrator motor generator set.

Wire, write or phone

The Motor Repair & Mfg. Co.
1545 Hamilton Ave. Cleveland, Ohio

LOCATED PHILADELPHIA, PA.

COMPLETE BUCKEYE OIL PRESSING UNIT

4—BUCKEYE 15 BOX HYDRAULIC OIL PRESSES, 16" RAM, 24" STROKE, 4,000 LBS. P.S.I.
1—BUCKEYE HYDRAULIC 4 PLUNGER HORIZ. HIGH AND LOW PRESSURE PUMP.
1—PAIR (2) BUCKEYE TANK TYPE ACCUMULATORS, HIGH AND LOW PRESSURE.
1—LOT HIGH PRESSURE PIPING WITH VALVES AND FITTINGS.
1—CAKE FORMER AND MIXER.
1—NO. 2½ EUREKA VERT. BREAKER.
3—DOUBLE STAND STEEL 4 ROLLER MILLS, 7"x18", 7½"x20", AND 7½"x30" Rolls.
1—NO. 21 BUFFALO CHOPPER.
2—SHRIVER IRON FILTER PRESSES.
3—JOHNSON IRON FILTER PRESSES.
1—WELDED STEEL STORAGE TANK.
1—SCHUTZ-O'NEILL 20" PULVERIZING MILL WITH COLLECTOR.
1—COPPER JACKETED KETTLE, APPROX. 175 GALS.
1—STANDARD AUTOMATIC CAPPER.
1—NO. 1 ABBE ROTARY CUTTER.
1—A. S. BECK CARTON PRESSER.

WRITE FOR BULLETIN L 19

1—Badger 42" Monel Alcohol Column.
1—W. & P. 150 gal. Jack. Mixer, Size 16.
1—Day No. 30 Imperial Mixer, 75 gal.
1—3 Roll High Side Raymond Mill.
2—5 Roll W.C. 16"x 40" Steel Roller Mills.
1—Allbright-Nell Atmos. Drum Dryer, 3'x 8'.
1—Devine 4'x 30' Rotary Vacuum Dryer.
43—Stainless Steel Filter Press Plates, 24"x24".
6—4,000 gal. Vert. Acid Proof Tanks.
3—Sweetland Filters, Nos. 5, 7, and 8.
1—No. 2 Mikro Pulverizer.
1—No. 4 Mikro Pulverizer.
12—Iron and Wood Filter Presses, 18" to 36"
1—No. 2 Oliver Duplex Vac. Pump, 14"x 8".
1—Pennsylvania Vac. Pump, 14"x5".
2—Worthington 12"x 12"x 12" Vac. Pumps.
1—Beach-Russ No. 6 Compound Vac. Pump.
1—Creamery Pkge. Mfg. Co. Homogenizer, motor driven, approx. 400 gals. per hr.
1—De Laval No. 301 Multiple Clarifier, M.D.
5—Ross 8, 15 and 40 gal. Pony Mixers.
4—Ross 3 Roll Mills, 12"x 30" and 16"x 40".
10—Pebble and Jar Mills, Lab. to 750 gals.
2—Tolhurst Centrifugals, 32" and 40".
10—Stone Mills, 10" to 32".
8—Lead and Paste Mixers, 50 to 135 gals.
6—Powder Mixers, 100 lbs. to 3,500 lbs.
6—Horiz. and Vert. Mixers, up to 500 gals.
18—Glass Lined & Steel Tanks to 10,000 gals.
6—Vert. Jack. Kettles, up to 500 gals.
20—Copper Jack. Kettles, up to 150 gals.
1—Schutz-O'Neill No. 1 Sugar Pulverizer.
1—Jeffrey 24"x 18" Type A Hammer Mill
3—Single and Double Roll Spike Crushers.
2—No. 0 and No. 1 Raymond Mills
6—Williams & Jay Bee Hammer Mills.
1—Bauer 22" Attrition Mill.
1—Stedman 42" Ball-Bearing Disintegrator.
15—Electric Agitators, ¼ to 10 H.P.
20—Rotary, Centrifugal and Vacuum Pumps.
6—Liquid, Paste and Powder Fillers.

ONLY PARTIAL LISTING
WRITE FOR COMPLETE BULLETINS
WE BUY YOUR SURPLUS MACHINERY

STEIN EQUIPMENT CORPORATION
Department E
426 BROOME STREET
NEW YORK CITY

Buy War Bonds:—Give 10% of Your Weekly Salary

Positions Wanted

CHEMICAL ENGINEER, has product and process-development, supervisory, and executive experience in vacuum, pressure, and catalytic processes. U.S.A. and Latin America. Native American; age 51. Available on reasonable notice for connection with well-rated firm of any size and location. BOX 165, Oil, Paint and Drug Reporter.

Are You In Need of Good Used

CHEMICAL PLANT EQUIPMENT?

We have a stock of items too numerous to list

—But if you will write or wire us we shall advise you promptly

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
41 HYATT AVE. NEWARK, N. J.

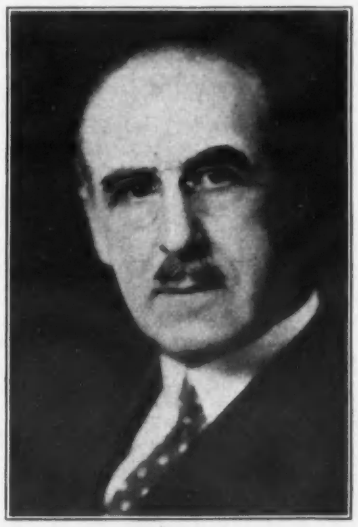
Obituaries

—*Continued from page 71*

Dr. Frederick M. Becket

Dr. Frederick Mark Becket, consultant to the Union Carbide & Carbon Corporation, with which he had been affiliated since 1906, died in a hospital in this city December 1. He was sixty-seven years of age.

Born in Montreal, Dr. Becket received his B.A.Sc. from McGill University in 1895 and M.A. from Columbia University in 1899. Dr. Becket formerly was president of Union Carbide and Carbon Research Laboratories, Inc., and vice-president of Union Carbide Company, Electro Metallurgical Company, and



Dr. Frederick M. Becket

pany, and Haynes Stellite Company, all units of the Union Carbide & Carbon Corporation.

More than one hundred patents were granted to Dr. Becket in the course of his researches, covering a wide range of electric furnace and chemical products, notably ferro-alloys, calcium carbide and specimen chromium steels. He originated and commercialized the principle of producing low-carbon ferro-alloys and alloying metals by reducing ores in electric furnaces with silicon instead of carbon.

In the early years of his career he was associated with the Westinghouse Electric & Manufacturing Company, the Acker Process Company, the Ampere Electro-Chemical Company, and was one of the organizers of the Niagara Research Laboratories.

In 1924, Dr. Becket was the recipient of the Perkin Medal, presented by the associated chemical and electrochemical societies for distinguished achievement. He became president in 1926 of the Electrochemical Society, and in 1937 received the society's Acheson Medal. In 1940 the Franklin Institute presented to him the Elliott Cresson Medal, and in the same year he received one of the Modern Pioneers Awards of the National Association of Manufacturers. He was president of the Chemists' Club, this city, in 1939. He was a former president of the American Institute of Mining and Metallurgical Engineers.

Dr. Becket received the honorary degree of Doctor of Sciences from Columbia University in 1929 and the honorary degree of Doctor of Laws from McGill University in 1934.

Surviving are his wife and two daughters.

George W. Guth

George W. Guth, representative of the Socony-Vacuum Oil Company in Washington, D. C., died in that city November 30. He was fifty-one years of age. Until 1940, when Mr. Guth was transferred to Washington, he was manager of the annuity and insurance department of Socony-Vacuum.

Mr. Guth was an authority on unemployment insurance and social security, having been active in the advocacy of sound administration of the State and national laws on these subjects. He was one of the founders of the New York State Employers' Conference for the study of these problems and vice-chairman of the Economic Security Committee of the National Association of Manufacturers.

Surviving are his wife, a daughter and a son.

Herman Stabler

Herman Stabler, chief of the Conservation Branch of the Geological Survey, died November 24. A discoverer in the field of water analysis and disposal of commercial waste, and author of many treatises in his specialty, Mr. Stabler had been connected with the Geological Survey from 1903 until his death except for an interval from 1908 to 1910 when he served with the United States Reclamation Service, now the Bureau of Reclamation.

Born at Brighton, Md., in 1879, he was educated at Earlham College, Richmond, Ind., and at Columbian (now George Washington) University, Washington, D. C., and received the degree of B.S. from the former. He was an instructor in the National Correspondence Institute, Washington, D. C., from 1899 to 1903. Surviving is his wife.

Gilbert C. Bacon, superintendent of the Zapon division of the Atlas Powder Company, died of a heart attack at the Stamford plant December 1. He was forty-nine years of age.

Charles W. Frederick, research scientist for Eastman Kodak Company, Rochester, died November 29. He was seventy-two years of age.

Anthony W. Gordon, an organizer of the Ohio Oil Company, died in Tulsa, Okla., November 30. Mr. Gordon, who retired from the oil industry in 1928, was one hundred years old.

Stephen S. Krayer, head of a chemical company here bearing his name, died November 27 of a heart attack. He was seventy-two years of age.

Charles G. Linker, vice-president of the American Maize-Products Company, 100 East 42d street, died November 28 at his home in East Orange, N. J., after an illness of several months. He was fifty-nine years of age. Surviving are his wife, a daughter and a son.

Ellsworth L. Posey, sales manager for R. T. French Company, spices, Philadelphia, Pa., died on November 27. He was seventy-nine years of age and had been affiliated with the R. T. French Company for nearly fifty years.

Martin J. Roberts, chief inspector for the American Smelting & Refining Company in Baltimore, died November 28. He was eighty-two years of age.

Shipping Information

All matter under this head fully protected by copyright

New York Imports

BAUXITE—7,275 tons, Aluminum Co of Canada
5,000 tons, Alcoa S S Co
BONES, GRAN—725 bgs, Baugh & Son
CELERY SEED—168 bgs, 21,840 lbs, A G Dunn
105 bgs, 13,650 lbs, Otto Gerdau Co
179 bgs, 23,270 lbs, M Barbanell, Inc
CHROME ORE—921 tons, Bordo New York Freight Agency, Inc
CINNAMON QUILLS—400 bls, 40,000 lbs, S L Jones & Co
200 bls, 20,600 lbs, E S Klinko
90 bls, 8,709 lbs, C T Wilson & Co
180 bls, 18,000 lbs, Volkart Bros
105 bls, 10,500 lbs, C M Van Sillevoldt
125 bls, 12,750 lbs, Holland Colombo Trading Society
COCOA BEANS—250 bgs, 50,000 lbs, Bank of Manhattan
2,726 bgs, 545,200 lbs
22,400 bgs, 4,480,000 lbs, Commodity Credit Corp
4,800 bgs, 960,000 lbs, G B Ollivant Co
2,000 bgs, 400,000 lbs, J Henry Schroeder Banking Corp
2,400 bgs, 480,000 lbs, Bankers Trust Co
2,900 bgs, 580,000 lbs, Nieschlag & Co
850 bgs, 170,000 lbs, Middleton & Co
500 bgs, 100,000 lbs, Scarburgh & Co
2,000 bgs, 400,000 lbs, Wessel, Kulenkampf & Co
1,200 bgs, 240,000 lbs, A C Israel Commodity Co
32,000 bgs, 6,400,000 lbs, Royal Bank of Canada
21,028 bgs, 4,205,600 lbs, Commodity Credit Corp
2,000 bgs, 400,000 lbs, National City Bank
500 bgs, 100,000 lbs, W R Grace & Co
6,000 bgs, 120,000 lbs, Chase National Bank
1,450 bgs, 290,000 lbs, Guaranty Trust Co
2,250 bgs, 450,000 lbs, Public National Bank Trust Co
500 bgs, 100,000 lbs, H W Peabody & Co
1,000 bgs, 200,000 lbs
850 bgs, 170,000 lbs, Tradesmen National Bank Trust Co
200 bgs, 40,000 lbs, Grace National Bank
COTTON LINTERS—395 bls, 164,802 lbs, Defence Supply Corp
4 bgs, Barrow Ager Lab
CRYOLITE—2,200 tons, Pennsylvania Salt Mfg Co
DILLSEED—200 bgs, 28,000 lbs, Louis Furth, Inc
FLEASEED—204 bgs, 18,360 lbs, S B Penick & Co
60 bgs, 5,280 lbs, R J Prentiss & Co
78 bgs, 2,020 lbs, Kachurin Drug Co
GRAPHITE—285 bgs, Metal Reserve Corp
GUM, KARAYA—133 bgs, Innis, Speiden & Co
132 bgs, Wm M Allison & Co
MANGANESE ORE—806 tons, M Golodetz & Co
1,350 tons, Carnegie Illinois Steel Corp
1,800 tons, E J Lavino & Co
MICA—36 cs, 4,140 lbs, H E Botzow, Inc
256 cs, 29,440 lbs, Metal Reserve Corp
BLOCK—27 cs, 3,139 lbs, Metal Reserve Corp
419 pkgs, 49,185 lbs, Metal Reserve Corp
SPLITTINGS—2,023 cs, 232,645 lbs, Metal Reserve Corp
33 cs, 3,795 lbs, Gillespie-Rogers-Pyatt Co
MOLASSES—14,097 kilos, 31,002 lbs
MYROBALANS—1,280 bgs, 224,000 lbs, The Tannin Corp
4,000 pockets, 126 tons, 2 cwt, 1 qr, 20 lbs, Barkey Importing Co
4,000 pockets, 124 tons, 11 cwt, 1 qr, 4 lbs, The Tannin Corp
WHOLE—4,000 pockets, 226,240 lbs, The Tannin Corp
NUX VOMICA—616 bgs, 112,000 lbs, Volkart Bros
OIL, CASHEW SHELL—93 dms, 41,126 lbs, Irvington Varnish & Insulation Co
ESSENTIAL—3 cs, Banque Belge pour l'Etranger
GERANIUM—2 cs, Banque Belge pour 2 dms, Banque Belge pour l'Etranger
PETROLEUM, CRUDE—50,430 bbls, 2,118,060 gals, Asiatic Petroleum Corp
PYRETHRUM FLOWERS—100 bls, S B Penick & Co
QUEBRACHO EXTRACT—8,300 bgs, 996,000 lbs, International Product Corp
8,584 bgs, 1,030,080 lbs, American Tanners, Ltd
20,379 bgs, 2,445,480 lbs, The Tannin Corp
SCHEELITE—225 bgs, Metal Reserve Corp
52 kegs, Metal Reserve Corp
SHELLAC—1,400 bgs, 235,200 lbs, Defense Supply Corp
1,020 bgs, 171,360 lbs, Wm Zinsser & Co
845 bgs, 141,960 lbs, Ralli Bros
100 cs, 16,800 lbs, Defense Supply Corp
BUTTON LAC—100 bgs, 16,800 lbs, Defense Supply Corp
50 bgs, 8,400 lbs, Ralli Bros
GARNET LAC—580 bgs, 97,440 lbs, Wm Zinsser & Co

YOU, too, should have your imports listed here for the information of OPD readers—it costs you nothing.

Mail lists of arrivals promptly and regularly, or telephone them—REctor 2-9820.

CLEANING MILLING
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84 bgs, 11,365 lbs, Strahl & Pitsch
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109 bgs, 22,585 lbs, Strahl & Pitsch
WOLFRAMITE CONC—200 bgs, Metal Reserve Corp

72d—OPD—Year

Baltimore Imports

CHROME ORE—6,000 tons
MANGANESE ORE—1,500 tons

72d—OPD—Year

Philadelphia Imports

CHROME ORE—8,000 tons, E J Lavino & Co
COLOMBO ROOT—601 bgs
CORKS—260 tons
171 bgs
150 bgs, Frederic Henjes Jr, Inc
22 bls, Frederic Henjes Jr, Inc
CORK SHAVINGS—790 bls, Bank of Manhattan Co
2,098 bls
WASTE—2,407 bls, Brown Bros Harriman Co, Inc
310 bls, Bank of Manhattan Co
1,120 bls, Central Hanover Bank & Trust Co
10,886 bls
WOOD—573 bls, Bank of Manhattan Co
7,583 bls
CUTTLEFISH BONES—54 cs, Marine Midland Trust Co
LAUREL LEAVES—50 bls, Sokol & Co
MICA—24 cs, Jose Koffel & Co
25 cs
PAPRIKA—100 bgs, Sokol & Co
PYRETHRUM FLOWERS—1,000 bls
QUEBRACHO EXTRACT—2,570 bgs
1,050 bgs, Chase National Bank
TUNGSTEN ORE—2,536 bgs, Metals Reserve Co
20 kgs, Metals Reserve Co
WATTLE BARK EXTRACT—3,224 bgs

72d—OPD—Year

Foreign Trade Rules

Information recently published by the Department of Commerce or foreign tariff and related trade regulations includes the following:—

Pepper:—Argentine has made exports of whole pepper subject to prior export permit decree of the Argentine Ministry of Agriculture.

72d—OPD—Year

Liquefied Petroleum Gas Stockpiling Urged

—Continued from page 5

serves of butane and propane gases may be sufficient to provide for civilian needs during the Winter without unnecessary interruptions of deliveries for military and industrial purposes.

Requirements of the Army, Navy, shipyards and war industries for these fuels are taxing the facilities of refineries and bulk distributors. Dealers and distributors will be advised to notify their civilian customers of the necessity for keeping full supplies on hand. Army and Navy users are already maintaining their storage at its full capacity.

Farmers, business places and household consumers, Mr. Thompson warned, cannot any longer safely buy on a hand-to-mouth basis, nor can they rely on regularity of deliveries during the Winter . The seasonal peak in transportation of butane and propane gas comes during the three Winter months. Approximately 50 percent of all butane is usually marketed during the months of December, January and February.

If private storage facilities are filled now, it is the belief of WPB's heating equipment unit and officials of the Armed Service that peak loads can be levelled or reduced and deliveries to military and industrial users maintained with more regularity. Increased consumers' reserves of petroleum gases, Mr. Thompson pointed out, will count gallon for gallon in the bulk storage supply that is available for the Army, Navy and war industries during the interval when transportation services are slowed by storms, sleet and snow.

Substitutes and Extenders

Information on the Replacement of Scarce Materials and the Eking Out of Short Supplies

Twelfth Instalment—Fully Protected by Copyright

Amyl Acetate

As a solvent in pyroxylin lacquers and synthetic resin varnishes—Ethylbutyl acetate.

Antimony Oxide

In ceramic processes—Titanium dioxide; zirconium oxide.

Barytes

As an extender for basic pigments in paints—Witherite (native barium carbonate), finely ground.

Castor Oil

As a component of hair dressings—Neatsfoot oil; polyglycol ethers; emulsions of mineral oil.

As a base material in lipsticks—Hydrogenated cottonseed, peanut, or sunflower-seed oil.

Citronella Oil

As an odorant in various applications, particularly in soaps—Cinella.

Cyclohexanone

As a solvent for synthetic resins—Isophorone.

Diethyl Phthalate

As a solvent in various applications—Solvent No. 50.

Ethyl Acetate

As a solvent in the preparation of diethyl-mercury—Ethyl formate.

Ethyl Alcohol

As an antiseptic and disinfectant in surgery—Isopropyl alcohol.

In rubbing compounds—Isopropyl alcohol.

Geranium Oil

As an odorant in soaps, perfumes, and cosmetics—Givco artificial geranium.

Glycerin

As a humectant in technical processes—Glyceraid.

Gum Arabic

As an emulsificant for petroleum oils—Pectin.

Kapok

As an insulator against cold—Bubblfil.

Latex

As an extender of latex in coating processes—Alkyd 18.

Lavender Oil

As a general aromatic and in soaps—Givco artificial lavender.

Mica

In electrical equipment—Titanium compounds; zirconium compounds.

Phenolic Resins

In the production of protective coatings—Falkolacs.

In laminated plastics—Vulcanized fiber sheets, rods, and other shapes.

As an extender for such resins in various applications—Vinsol; lignin derivatives.

Rubber

As a tank lining—Resilon (dipolymerized colloidal resin); tygon.

In various applications—Vulprenes; emulsion 58-8.

As an insulator for wire—Styrene resinous compounds.

Soapbark

As a source of technical saponin—Horsechestnuts.

Steatite

In electrical equipment—Titanium compounds; zirconium compounds.

Steel

In the manufacture of precision gages—Glass.

Toluol

As a solvent in making insulating varnish for wires—Benzol (said to speed production and improve the product; but the hazard of its vapors must be overcome).

Tung Oil

As a drying oil in protective coatings—Falkover processed oils.

Vegetable Tanstuffs

In the tanning of army leathers—Mertanol syntans.

Vegetable Waxes

As a component of insulating compositions, recording blanks, and waterproofing compositions—Durocer.

Vetivert Acetate

As an odorant in various applications—Vetacetal.

Wood

In building construction—Laminated gypsum sheeting; poured gypsum masses.

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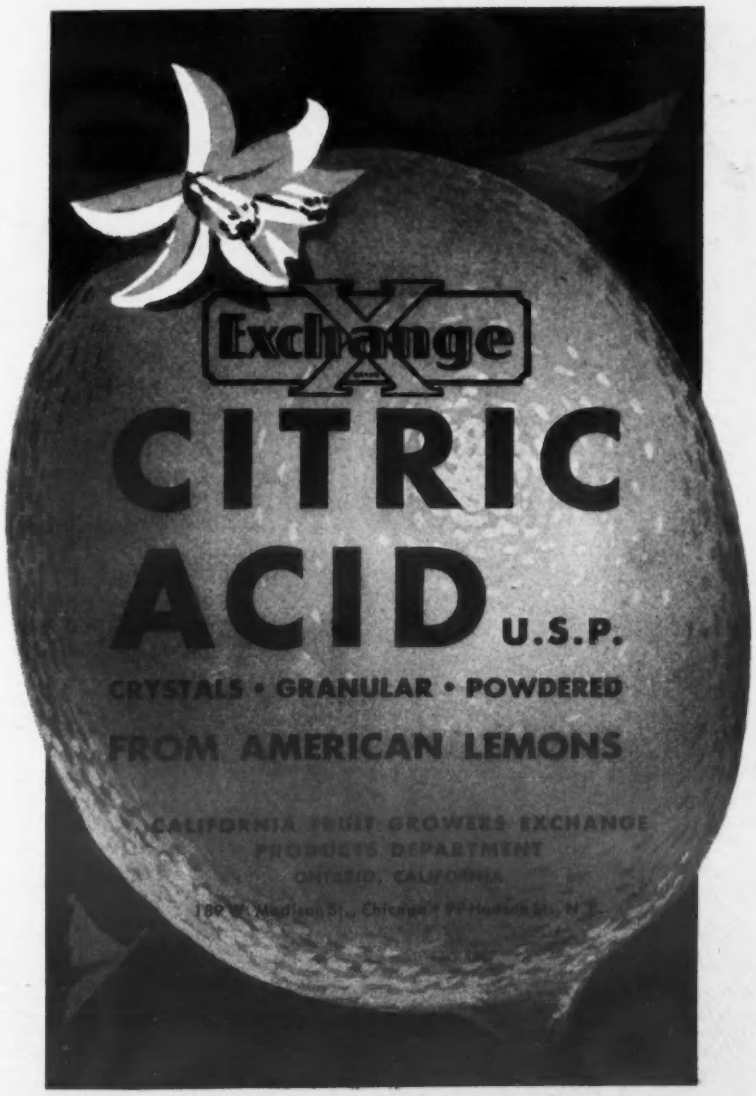

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